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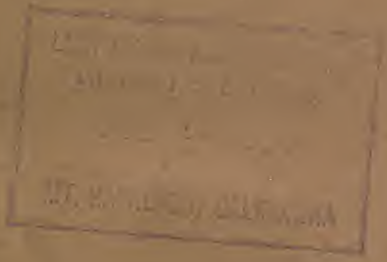

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G. V. JUGGAROW OBSERVATORY,

DABA GARDENS, VIZAGAPATAM,

MAINTAINED BY

MRS. A. A. NURSINGROW,

ZEMINDARNI OF SHERMAHOMUDPURAM AND YEMBARAM ESTATES.

RESULTS OF

METEOROLOGICAL OBSERVATIONS, 1894.

MT. HAMILTON, CALIFORNIA

PUBLISHED BY THE GENERAL COMMITTEE

G. V. JUGGAROW OBSERVATORY.

VIZAGAPATAM.

1896.

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III.—Annual variation of pressure of vapour

IV.—Annual variation of humidity

V.—Annual variation of cloud proportion

VI.—Rainfall for 29 years

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The initials to indicate general weather introduced by Admiral Beaufort, and given by Mr. H. F. Blanford in his "Instructions for Meteorological Observers in India"

b—Blue sky
c—Partial clouds
f—Fog
g—Dark gloomy weather
m—Misty, dust haze
o—Overcast
u—Ugly threatening
v—Visibility; referring to distant objects
w—Wet, for dew

G. V. Juggarow Observatory.

DABA GARDENS, VIZAGAPATAM.

Lat. 17° 42′ 9″ N. Long. 83° 22′ 30″ E. Height of the Barometer cistern above sea-level, 31 feet.

INTRODUCTION.—The G. V. Juggarow Observatory was first established in 1840 on a small scale, by the late G. V. Juggarow, Esq., a wealthy zemindar of Vizagapatam. The Observatory still bears his name. On the demise of his widow, his daughter, Sri Ankitham Atchayyamma Garu became the zemindarni of Shermahomedpuram and Yembaram Estates, and her husband, the late A. V. Nursingrow, Esq., threw up his appointment as Deputy Collector and took charge of the family estate, and at the same time devoted himself to the study of astronomy. His correspondence with English Astronomers soon obtained for him the titles of F.R.A.S., and F.R.G.S., and his astronomical and meteorological observations were much valued in England as well as in India.

The local community are indebted to the late A. V. Nursingrow, Esq., F.R.A.S., F.R.G.S., Rao Bahadur, for giving correct local time by an evening time gun the expense connected with which he defrayed.

Before his death he commenced making arrangements to place the observatory on a permanent basis as well as to erect a Celestial Photographic Observatory, but he died before completing this work.

After his death, his wife Sri Ankitham Atchayyamma Garu took charge of the observatory and conducted it with great liberality. She supplied its results to the Meteorological Reporters to the Governments of India, Bengal and Madras, and erected a Celestial Photographic Observatory. In accordance with the wishes of her father as well as her husband, she handed over the observatory on the 8th November, 1894, to the Government of India with an endowment of 3 lakhs of rupees for the permanent maintenance of the institution.

Astronomical Department.

To ascertain the error and the rate of change of the sidereal clock, the transits of fixed stars have been observed as usual with the transit instrument, the adjustment of which to the meridian line was frequently tested by the late Mr. A. V. Nursingrow.

The time gun is fired every evening at 9 P.M. mean time. The exact time is given every morning by means of signals on the flagstaff on the Dolphin's Nose by the following arrangements :—

1*st.* The flag B with the flag C below it is hoisted on the flagstaff precisely at 8 o'clock (weather permitting) every morning.

2*nd.* The error in the mean time of the flash of the previous evening's gun is exhibited on the yard-arm by means of the flags 1, 2, 3, &c., to the nearest tenth of a minute.

3*rd.* When the flags indicating the error of the gun are hoisted on the eastern extremity of the yard-arm it is understood that the gun was fired too early, and the contrary when they are hoisted on the western extremity.

4*th.* The flag A is hoisted below another flag to indicate that the number of tenths of a minute is the same as the number of minutes. This is done to avoid using duplicates of the flags.

5*th.* The flags hoisted on the yard-arm indicate minutes and tenths of a minute corresponding to their numbers. The numbers of the upper flags denote minutes and those of the lower ones, tenths of minute. When the error does not amount to a whole minute, a single flag is hoisted a little below the extremity of the yard-arm to indicate the error in tenths of a minute. For example, the number of the upper flag on the yard-arm being 2, denotes 2 minutes; and that of the lower one being 3, denotes 3 tenths of a minute; and if they are on the eastern extremity, the signals signify that the gun was fired 2·3 minutes in advance of the exact mean time.

6*th.* The flags B, C and O are hoisted on the mast-head when the gun has been fired correctly.

7*th.* The signals continue to fly from 8 to 9 o'clock in the morning when they are hauled down.

The time gun is sometimes not well heard during the

prevalence of N.-E. winds. It was therefore arranged by the late Mr. G. V. Juggarow, the founder of the observatory, that the flags on the Dolphin's Nose should be hauled down at nine in the morning with great precision, for the information of persons who live too far from the fort to hear the report of the gun, and also to afford the shipping in the roads an opportunity of finding the error of their chronometers. The same procedure is still adopted.

No other astronomical observations have been carried on since Mr. A. V. Nursingrow's death.

Meteorology.

The meteorology of the year 1894 does not present any special features.

The rains during the year were timely and satisfactory, and there was no necessity to use the water stored in tanks for the crops. At times they were more abundant than needed, but were fortunately not accompanied by any severe cyclonic storm.

The south-west monsoon rainfall amounted to 18·75 inches, *i.e.*, 7·82 inches below the average.

The north-east monsoon of 1894 began on the 30th October, and the rainfall of that period amounted to 25·93 inches, *i.e.*, 7·25 inches above the average.

The total rainfall of the 25 years under discussion has been distributed in octants according to the direction from which it was received (see Table XXVIII). The average annual rainfall for the 25 years under each octant is given by the means shown in the table, while the figures opposite each month give the average rainfall for the month under each octant.

The number of rainy days for each octant is shown in Figure 2, Plate VII, and the means of the total rainfall have been plotted in Figure 1.

The vapour pressure gradually increases and reaches its maximum in May, and a second smaller maximum in September, and from that time forward decreases to its minimum at the end of the year.

The vapour pressure was deduced up to 1880 by means of Guyot's Tables and from 1881 to 1894 by means of Glaisher's Tables.

The barometer daily attains its highest point at about 10 A. M., and its lowest at about 4 P. M. Smaller fluctuations are also observed during the night. A second maximum occurs at about 10 P.M., and a second minimum at about 4 A.M.

The mean pressures are reduced to sea-level in Table VIII, by means of Table II given in Mr. H. F. Blanford's "Meteorological Tables."

The average monthly values of meteorological elements, &c., are exhibited in Tables I to XXXIII and the 12 monthly reports (pages 7 to 42) contain remarks on the progress of agricultural operations, and the state of crops, as well as notes on the atmospheric phenomena observed during the month, and general remarks on the pressure of the atmosphere, temperature, rainfall and the direction of the wind.

Explanation of the Plates.

Plate I shows the normal pressure curve which is highest in January or December, and then gradually falls till June or July, and afterwards gradually rises again till December or January (see Table III). The highest pressure in 1894 was 30·183″, and the lowest 29·385″, as will be seen from the yearly abstract given at page 58.

Plate II exhibits the normal temperature curve deduced from observations of 25 years. The thick line is drawn to represent the monthly means; while the means of ten-day periods (tabulated at the foot of Table XIII) are shown by the broken line curve. The highest temperature in 1894 was 95°·5 and the lowest 64°·4.

The depression of the wet bulb below the dry bulb thermometer is shown by the curve in the second part of Plate II, and has been obtained by a comparison of the dry bulb readings with those of the wet bulb.

Plate IV shows the normal increase and decrease of humidity from month to month and at the same time the comparison of the 1894 data with the normal. Humidity in 1894, was nearly the same as in the years 1872, 1886, 1890 and 1893 and was above the average in the months of January, February, March, April, June, September, October, November and December.

Plate V gives the curves representing (1) the normal cloud proportion for the last 25 years, shown by the thick

line, and (2) the amount of cloud for the year 1894, which exceeded the average in April, May, June, July, August, September and October and was largely below it in January, February and December. It will be seen from the normal curve that the sky is most heavily clouded in July and least clouded in January.

Plate VI exhibits the total rainfall for each year for the past 29 years as given in Table XXIV. At the bottom of the plate is shown the average rainfall for each month of the year.

Routine work and description of the Meteorological Instruments in use.

There has been no change in the staff of observers, and the meteorological observations taken have as usual been supplied to the Meteorological Reporters to the Governments of India and Bengal, the Vizagapatam District Gazette and the Port Officer of Vizagapatam.

Daily telegrams giving the 8 A.M. observations were forwarded throughout the year to the Meteorological Reporters to the Governments of India, Bengal and Madras.

The barometric readings are obtained from a self-compensating standard barometer by Negretti and Zambra which was tested by Mr. H. F. Blanford, the late Meteorological Reporter to the Government of India, by comparison with the instruments at Calcutta.

The mean temperature was deduced from the readings of a dry bulb thermometer by Negretti and Zambra up to September 16th, 1894, and from that date forward from the dry bulb hygrometer No. 91690 by Casella. The adopted mean temperature of each month is the mean of the readings of the dry bulb, maximum and minimum thermometers. The maximum and minimum temperatures in shade are obtained from the readings of the maximum and minimum thermometers by Negretti and Zambra Nos. 75271 and 63933 respectively, the maximum thermometer having been tested by the Alipore Observatory and the minimum thermometer by the Kew Observatory. The other temperature observations are obtained from Mason's Hygrometer, tested by the Alipore and Kew Observatories, and from other instruments.

The hygrometrical results (except the dew-point and humidity percentage) have been calculated by the Smith-

sonian Tables. The mean temperature of the dew-point is obtained by multiplying the difference between the dry and wet bulbs by Glaisher's factors and substracting the product from the dry bulb reading. The mean humidity is obtained from the readings of the dry and wet bulb thermometers by means of Mr. H. F. Blanford's Tables based on August's formula.

The daily maximum temperature of solar radiation is obtained from an exposed black bulb thermometer enclosed in a hermetically sealed glass tube.

The grass radiation thermometer No. 60687 is placed over grass, but above it and unscreened by it, and the amount of terrestrial radiation is found by subtracting the minimum temperature on the grass from the minimum temperature in shade.

The proportion of cloud is obtained by the inspection of the sky, a clear sky being 0, and an overcast sky 10.

The direction of the wind is given by the anemoscope invented by Mr. G. V. Jaggarow, the original founder of the observatory.

The amount of ozone is obtained by means of Negretti and Zambra's test papers according to the scale of ten tints distinguished by numbers from 1 to 10. The test paper is suspended by a hook attached to the roof of the inner cylinder of Sir James Clark's ozone cage hanging freely exposed to the air, protected from rain and the direct rays of the sun. The amount of ozone is registered once a day at 10 A. M.

The velocity of the wind is registered by Robinson's anemometer, the readings of the dial being taken at four equidistant intervals during the 24 hours.

The amount of rain is measured by the pluviometer invented by the late Mr. G. V. Juggarow (*vide* page 188 of Buchan's "Handy Book of Meteorology" and pages 98 and 99, Chambers' "Encyclopædia," Vol. VIII) consisting of a funnel having a diameter of 4·697 inches or a receiving area of 17·33 square inches. Since a fluid ounce contains 1·733 cubic inches of water, it follows that for every fluid ounce collected by this gauge, the tenth of an inch of rain has fallen.

No change has been made since 1891 in the position of the instruments or in the times or manner of observation.

METEOROLOGICAL REPORT

For January, 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·991	29″ 996
Barometric monthly mean reduced to sea-level	30″ 023	30″·028
Highest reading of the barometer (for 1894 on the 13th)	30″·131	30″·158
Lowest do. (for 1894 on the 25th)	29″·837	29″·825
Range of barometer readings	0″·294	0″·333
Highest reading recorded of the max. temperature (for 1894 on the 29th)	85°	82°
Lowest reading recorded of the min. temperature (for 1894 on the 19th)... ...	66°	65°·9
Range of thermometer readings	19°	16°·1
Mean of maximum readings	79°	79°·1
Mean of minimum readings	69°·9	70°·2
Daily range of mean max. and min. readings	9°·1	8°·9
Deduced monthly mean (from mean of max. and min.)	74°·5	74°·7
Mean temperature from dry bulb... ..	75° 7	75°·6
Adopted mean temperature (from max, min. and dry bulb)	75·°1	75°·2
Mean temperature of evaporation ...	67°·9	67°·8
Mean of wet minimum	62°·9	61°·6
Mean temperature of dew-point ...	64°	62°
Mean elastic force of aqueous vapour ...	0″·628	0″·597
Mean weight of vapour in a cubic foot of air in grains	6·8	6·5
Mean additional weight required for saturation in grains...	2·8	3·1
Mean degree of humidity (saturation-1·00) ...	·69	·65
Mean weight of a cubic foot of air in grains .	511·9	512·1
Highest reading of sun max. in vacuo (for 1894 on the 31st)	115°·8	114°·8
Lowest reading of sun max. in vacuo (for 1894 on the 15th)	101°	100°·8
Mean reading	104°·8	107°·6
Highest reading of nocturnal radiation (for 1894 on the 5th)	64°	66°·5*
Lowest reading of nocturnal radiation (for 1894 on the 17th)	51°	51°·1
Mean reading	55°·9	57°·3
Mean serenity (clear sky = 10)	8°·7	8°·4
Mean ozone	0·5	2·1
Rainfall	0	0″·33
Number of rainy days	0	1

* Mean for 17 years.

Wind Observations.	North.	N by E.	N. N E.	N. E. by N.	N. E.	N. E by E.	E. N E.	E. by N.	East	E. by S.	E. S. E	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S	S. W.	S. W. by W.	W. S W.	W. by S.	West.	W by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month...	15	.	7	...	20	...		1	4	...	...	.	13	..	1	1	5	...	...	...	18	...	2	...	25	1	3	...	7	...	1	...

The maximum velocity of the wind during January 1894, on the 14th	...	33·50 miles during the 24 hours.
The minimum ,, ,, ,, ,, 18th	...	5 30 Do.
The total number of miles registered during the month was	...	487·23
Mean daily velocity	...	15·72 Do.

In the month of Jan. the highest reading of the barometer during past 25 years was	on the	23rd	in	1885	and was 30″·223
The lowest ,, ,, ,, ,,		3rd	,,	1880	,, 29″·701
The highest temperature ,, ,, ,,		29th	,,	1894	,, 85°
The lowest ,, ,, ,, ,,		4th	,,	1889	,, 60°·2
The highest adopted mean temperature for the month ,,		...	,,	1870	,, 78°·6
The lowest ,, ,, ,, ,,		...	,,	1890	,, 73°·4
The highest reading of sun max. in vacuo ,, ,,		29th	,,	1876	,, 121°·5
The lowest ,, ,, ,, ,,		6th	,,	1891	,, 84°
The highest reading of nocturnal radiation ,, ,,		2nd	,,	1882	,, 70°·7
The lowest ,, ,, ,, ,,		4th	,,	1891	,, 47°

General weather :—*b*, *w*, and *f*. Kind of clouds :—ci, cu—s, and ci—s. Fine clear weather prevailed generally with increasing temperature. The prices of food grains were moderate. Rainfall *nil*. The quantity for the same period of last year was ·4 inch, for 1892, 1891, 1890, 1889, 1888 1887 and 1886 *nil*; for 1885, ·3 inch; for 1884

·9 inch ; for 1883, ·9 inch ; for 1882, ·1 inch ; for 1881, was *nil* ; for 1880, ·5 inch ; for 1879 and 1878 was *nil* ; for 1887 1·6 inches ; for 1876, was *nil* ; for 1875, ·1 inch ; for 1874, ·4 inch ; for 1873 and 1872 was *nil* ; for 1871, ·1 inch ; for 1870, 3·0 inches ; and for 1869, ·1 inch.

The mean pressure and temperature were both practically normal. The range of pressure was less than usual and that of temperature considerably greater. Solar and terrestrial radiation were both below the average. The prevalent wind direction was North-East.

METEOROLOGICAL REPORT

For February 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer ...	29″·979	29″·955
Barometric monthly mean reduced to sea-level	30″·011	29″·987
Highest reading of the barometer (for 1894 on the 4th)	30″·125	30″ 133
Lowest reading of the barometer (for 1894 on the 24th)	29″·787	29″·775
Range of barometer readings	0″·338	0″·358
Highest reading recorded of the max. temperature (for 1894 on the 18th)	86°	86°·6
Lowest reading recorded of the min. temperature (for 1894 on the 9th)	67°·8	69°·7
Range of thermometer readings	18°·2	16°·9
Mean of maximum readings	82°·1	82°·3
Mean of minimum readings	73°·1	74°·1
Daily range of mean max. and min. readings...	9°	8°·2
Deduced monthly mean (from mean of max. and min.)	77°·6	78°·2
Mean temperature from dry bulb... ...	79°	79°
Adopted mean temperature (from max., min. and dry bulb)	78°·3	78°·6
Mean temperature of evaporation ...	71°·7	70°·9
Mean of wet minimum	66°·5	65°·1
Mean temperature of dew-point	67°	66°
Mean elastic force of aqueous vapour ...	0″·692	0″·659
Mean weight of vapour in a cubic foot of air in grains	7·5	7·1
Mean additional weight required for saturation in grains...	3·0	3·4
Mean degree of humidity (saturation-1·00) ...	·69	·65
Mean weight of a cubic foot of air in grains ...	508 6	508·8
Highest reading of sun max. in vacuo (for 1894 on the 18th)	110°·5	115°·9
Lowest reading of sun max. in vacuo (for 1894 on the 5th)	100°	103°·6
Mean reading	105°·5	109°·9
Highest reading of nocturnal radiation (for 1894 on the 26th)	65°·5	68°·3
Lowest reading of nocturnal radiation (for 1894 on the 8th)	53°	54°·8
Mean reading	58°·7	61°·8
Mean serenity (clear sky = 10)	8 8	8·5
Mean ozone	0·6	2·1
Rainfall	0	0″·18
Number of rainy days	0	1

Wind Observations.	North.	N. by E.	N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	E. by E	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	5	..	1	...	6	...		...	2	.	...	.	12	...	.	...	28	...	2	...	18	...	2	.	29	...	.	.	7	...	...	...

The maximum velocity of the wind during February, 1894, on the 23rd	...	69·60	miles during 24 hours.
The minimum „ „ „ „ „ 12th	...	6·36	do.
The total number of miles registered during the month was	...	595·97	
Mean daily velocity	...	21·28	do.

In the month of February the highest reading of the barometer during last 25 years was on the	7th	in 1887	and was 30″·188
The lowest „ „ „ „	28th	„ 1879	„ 29″·733
The highest temperature „ „ „	10th	„ 1878	„ 92°
The lowest „ „ „ „	1st	„ 1890	„ 60° 5
The highest adopted mean temperature for the month	...	„ 1878	„ 82°·3
The lowest „ „ „	...	„ 1875	„ 76°·3
The highest reading of sun max. in vacuo „ „	22nd	„ 1874	„ 125°
The lowest „ „ „ „	26th	„ 1870	„ 90°
The highest reading of nocturnal radiation „ „	16th	„ 1878	„ 74°·9
The lowest „ „ „ „	1st	„ 1890	„ 47°·5

General weather:—*b* and *w*. Fine with passing clouds. Kind of clouds:—cu, ci—s, and cu—s. Lightning was seen on the 23th in the directions N and N. W. On the 3rd, 4th, 5th and 7th, mists were rising to the hill tops in the morning but soon vanished. On the 10th and 15th solar corona between 10 A.M. and 4 P.M.; inner edge grey, outer edge

white. On the 20th, 22nd and 23rd mackerel sky in the evening. Mango showers *nil*, but the state of the atmosphere showed that vapor was condensing into clouds. The prices of food grains were same as before. The total rainfall since 1st January is *nil*. The quantity for the same period of last year was ·92 inch for 1892 *nil*; for 1891 ·09 inch; for 1890, 1889, 1888, 1887, 1886 was *nil*, for 1885, ·3 inch; for 1884, 1·5 inches; for 1883, ·9 inch; for 1882, ·1 inch; for 1881, was *nil*; for 1880, 1·1 inches; for 1879 and 1878 was *nil*; for 1877, 3·2 inches; for 1876, was *nil*; for 1875, ·2 inch; for 1874, ·4 inch; for 1873 and 1872 was *nil*; for 1871, 1·2 inches; for 1870, 3·0 inches; and for 1869, ·1 inch.

The mean reading of the barometer was higher and the range of pressure smaller than usual. Temperature was nearly normal, but its range greater than the average. Almost all the hygrometrical results agreed closely with the average. The prevalent wind direction was West.

METEOROLOGICAL REPORT

For March 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·864	29″·877
Barometric monthly mean reduced to sea-level	29″·895	29″·908
Highest reading of the barometer (for 1894 on the 14th)	30″·039	30″·060
Lowest reading of the barometer (for 1894 on the 5th)	29″·663	29″·706
Range of barometer readings	0″·376	0″·354
Highest reading recorded of the max. temperature (for 1894 on the 30th)	89°	90°·3
Lowest reading recorded of the min. temperature (for 1894 on the 13th)	76°	74°·8
Range of thermometer readings	13°	15°·5
Mean of maximum readings	86°·1	86°·1
Mean of minimum readings	79°·1	79°·4
Daily range of mean max. and min. readings	7°	6°·7
Deduced monthly mean (from mean of max. and min.)	82°·6	82°·8
Mean temperature from dry bulb ...	84°	83°·3
Adopted mean temperature (from max., min. and dry bulb)	83°·3	83°·1
Mean temperature of evaporation ...	76°·2	74°·9
Mean of wet minimum	72°·2	70°·1
Mean temperature of dew-point	71°	70°
Mean elastic force of aqueous vapour ...	0″·763	0″·751
Mean weight of vapour in a cubic foot of air in grains	8·2	8·1
Mean additional weight required for saturation in grains	4·4	3·8
Mean degree of humidity (saturation = 1·00) ...	·69	·66
Mean weight of a cubic foot of air in grains...	502·5	504·4
Highest reading of sun max. in vacuo (for 1894 on the 23rd)	110°·5	117°·1
Lowest reading of sun max. in vacuo (for 1894 on the 27th)	100°	104°·1
Mean reading	105°	107°·3
Highest reading of nocturnal radiation (for 1894 on the 6th)	72°·5	76°·3
Lowest reading of nocturnal radiation (for 1894 on the 23rd)	61°·8	61°·6
Mean reading	68°·3	65°·8
Mean serenity (clear sky = 10)	8·4	8·0
Mean ozone	0·8	2·0
Rainfall	0	0″·43
Number of rainy days	0	1

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	21	1	16	1	31	1	5	3	13	...	...	...	...	...	...	...

The maximum velocity of the wind during March 1894 on the	7th	...	60·20 miles during the 24 hours.
The minimum „ „ „ „	26th	...	9·17 Do. do.
The total number of miles registered during the month was	„	...	912·39
Mean daily velocity	...	...	29·43 Do. do.

In the month of March the highest reading of the barometer during last 25 years was	on the	6th	in	1889	and was 30″·162
The lowest „ „ „ „		29th	„	1892	„ 29″·599
The highest temperature „ „ „		13th	„	1879	„ 94°·0
The lowest „ „ „ „		11th	„	1889	„ 68°
The highest adopted mean temperature for the month		...	„	1879	„ 85°·1
The lowest „ „ „		...	„	1892	„ 81°·1
The highest reading of sun max. in vacuo „ „		4th	„	1879	„ 131°·2
The lowest „ „ „ „		20th	„	1870	„ 92°
The highest reading of nocturnal radiation „ „		31st	„	1887	„ 80°·9
The lowest „ „ „ „		1st	„	1889	„ 58°·8

General weather :—*b*, *w* and *f*. Kind of clouds :—cu, ci, cu—s and ci—s. On the 7th, 9th, 10th, 12th and 13th mists were rising to the hill tops from 6 to 7 A. M., but soon vanished. Fine weather prevailed during the month, but it was noticed while observing the transits of stars that the sky was translucent, a good sign of vapour condensing into clouds.

The prices of food grains were high. Small-pox in the town. The total rainfall since 1st January *nil.* The quantity for the same period of last year was 2·12 inches; for 1892 *nil;* for 1891, ·37 inch; for 1890 ·19 inch; for 1889 was *nil;* for 1888, ·4 inch; for 1887, ·4 inch; for 1886, ·2 inch; for 1885, 2·2 inches; for 1884, 1·5 inches; for 1883, ·9 inch; for 1882, ·1 inch; for 1881, ·7 inch; for 1880, 1·1 inches; for 1879, ·1 inch; for 1878, ·8 inch; for 1877, 4·8 inches; for 1876, was *nil;* for 1875, ·2 inch; for 1874, ·4 inch; for 1873 and 1872 was *nil;* for 1871, 4·1 inches; for 1870, 3·0 inches; and for 1869, ·1 inch.

The barometer was slightly below the normal and the thermometer above. The range of the barometer was above its average and that of the thermometer below. The highest temperature was 5° below that of 1879 which was the highest on record for the month of March. The solar radiation was lower than usual and nocturnal radiation higher. The prevalent wind direction was West.

METEOROLOGICAL REPORT
For April 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·787	29″·788
Barometric monthly mean reduced to sea-level	29″·818	29″·819
Highest reading of the barometer (for 1894 on the 3rd)	29″·976	29″·955
Lowest reading of the barometer (for 1894 on the 29th)	29″·573	29″·617
Range of barometer readings	0″·403	0″·338
Highest reading recorded of the max. temperature (for 1894 on the 29th)	91°·8	92°·1
Lowest reading recorded of the min. temperature (for 1894 on the 19th)	75°·5	80°·3
Range of thermometer readings	16°·3	11°·8
Mean of maximum readings	87°·4	88°·8
Mean of minimum readings	81°·4	0°·83
Daily range of mean max. and min. readings...	6°	5°·8
Deduced monthly mean (from mean of max. and min.)	84°·4	85°·9
Mean temperature from dry bulb... ...	85°·5	86°·4
Adopted mean temperature (from max., min. and dry bulb)	85°	86°·2
Mean temperature of evaporation... ...	78°·3	78°·1
Mean of wet minimum	73°·2	73°·3
Mean temperature of dew-point	74°	73°
Mean elastic force of aqueous vapour ...	0″·827	0″·827
Mean weight of vapour in a cubic foot of air in grains...	8·8	8·8
Mean additional weight required for saturation in grains...	4·1	4·1
Mean degree of humidity (saturation = 1·00) ...	·70	·67
Mean weight of a cubic foot of air in grains ...	501·2	501·2
Highest reading of sun max. in vacuo (for 1894 on the 17th)	118°	117°·1
Lowest reading of sun max. in vacuo (for 1894 on the 1st)	100°	101°·7
Mean reading	107°·8	111°·3
Highest reading of nocturnal radiation (for 1894 on the 29th)	78°·8	80°·1
Lowest reading of nocturnal radiation (for 1894 on the 19th)	64°·8	69°·4
Mean reading	73°·8	75°·3
Mean serenity (clear sky = 10)	5·7	7·2
Mean ozone	0·8	2·1
Rainfall	1″·38	0″·79
Number of rainy days	4	1

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	2	...	...	...	...	...	...	...	...	..	...	...	1	...	1	1	19	6	7	1	37	1	5	5	32	...	...	...	2	...	...	...

The maximum velocity of the wind during April 1894 on the 10th	...	79·59	miles during the 24 hours.
The minimum velocity of the wind " " " 20th	...	7·28	Do. do.
The total number of miles registered during the month was	...	989·00	
Mean daily velocity	...	32·97	Do. do.

In the month of April the highest reading of the barometer during last 25 years was	on the 6th	in 1872	and was	30″·015
The lowest " " "	27th	" 1875	"	29″·491
The highest temperature " " "	5th " 1891 and 30th " 1892		"	95°
The lowest " " "	19th	" 1894	"	75°·5
The highest adopted mean temperature for the month		1872 & 1879	"	87°·1
The lowest " " "		... in 1870	"	75°·7
The highest reading of sun max. in vacuo	29th	" 1871	"	129°·5
The lowest " "	23rd	" 1870	"	93°
The highest reading of nocturnal radiation	26th	" 1880	"	82°·9
The lowest " " "	1st	" 1893	"	64°·5

General weather :—*b*, *f*, *g* and *o*. Kind of clouds :—cu—s, ci, ci—s, and n. Thunder and lightning on the 2nd, 8th, 9th, 10th, 18th and 27th in the directions N., E., S., W., N.E., and S.E. On the 1st, 3rd, 5th, 6th, 14th, and 20th mists were rising to the hill tops in the morning, but vanished soon. 6th, 7th, 8th and 9th solar corona between 10 A.M. and

4 P. M.; inner edge grey, outer edge white. The chief feature of the sky during the month was fine weather with passing clouds. The prices of food grains were the same as in last month. Rainfall during month and since 1st January 1·38 inches. The quantity for the same period of last year was 6·73 inches. For 1892 *nil*; for 1891, ·87 inch; for 1890, 2·36 inches; for 1889, ·1 inch; for 1888, ·4 inch; for 1887, ·4 inch; for 1886, ·2 inch; for 1885, 2·2 inches; for 1884, 1·6 inches; for 1883, ·9 inch; for 1882, ·1 inch; for 1881, ·9 inch; for 1880, 3·2 inches; for 1879, ·1 inch; for 1878, ·9 inch; for 1877, 4·8 inches; for 1876, was *nil*; for 1875, ·2 inch; for 1874, ·4 inch; for 1873, ·1 inch; for 1872, 1 inch; for 1871, 11·7 inches; for 1870, 3·8 inches; and for 1869, ·2 inch.

The mean reading of the barometer was nearly normal but its range greater. The lowest reading of the minimum thermometer on the 19th was the lowest on record for the month of April. The humidity percentage did not vary much from the normal The prevalent wind directions were South-West and West.

METEOROLOGICAL REPORT
For May 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·676	29″·685
Barometric monthly mean reduced to sea-level	29″·708	29″·716
Highest reading of the barometer (for 1894 on the 1st)	29″·861	29″·880
Lowest reading of the barometer (for 1894 on the 30th)	29″·458	29″·471
Range of barometer readings	0″·403	0″·409
Highest reading recorded of the max. temperature (for 1894 on the 14th)	95°·5	95°·7
Lowest reading recorded of the min. temperature (for 1894 on the 1st)	81°	81°·5
Range of thermometer readings	14°·5	14°·2
Mean of maximum readings	91°·1	90°·4
Mean of minimum readings	85°·1	85°·1
Daily range of mean max. and min. readings	6°	5°·3
Deduced monthly mean (from mean of max. and min.)	88°·1	87°·8
Mean temperature from dry bulb ...	89°·1	88°·2
Adopted mean temperature (from max., min. and dry bulb)	88°·6	88°
Mean temperature of evaporation ...	80°·9	80°
Mean of wet minimum	75°·6	75°·1
Mean temperature of dew-point	78°	75°
Mean elastic force of aqueous vapour ...	0″·910	0″·882
Mean weight of vapour in a cubic foot of air in grains	9·7	9·4
Mean additional weight required for saturation in grains	4·4	4·3
Mean degree of humidity (saturation = 1·00) ...	·69	·69
Mean weight of a cubic foot of air in grains...	497·9	499·0
Highest reading of sun max. in vacuo (for 1894 on the 16th)	124°·6	122°·1
Lowest reading of sun max. in vacuo (for 1894 on the 2nd)	107°·5	102°·8
Mean reading	114°·3	113°
Highest reading of nocturnal radiation (for 1894 on the 12th)	83°	83°·2
Lowest reading of nocturnal radiation (for 1894 on the 4th)	72°·3	71°·6
Mean reading	78°·9	78°·4
Mean serenity (clear sky = 10)	5·0	5°·7
Mean ozone	0·8	2·1
Rainfall	0″·6	2″·73
Number of rainy days	1	4

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2	17	5	13	...	51	3	15	5	12	...	...	...	..	...	...	...

The maximum velocity of the wind during May 1894, on the 26th ...	69·24	miles during the 24 hours.	
The minimum „ „ „ „ 19th ...	9·55	Do.	do.
The total number of miles registered during the month was ...	1280·65		
Mean daily velocity	41·31	Do.	do.

In the month of May the highest reading of the barometer during last 25 years was	on the 6th	in 1873	and was	29″·949
The lowest „ „ „ „	30th	„ 1870	„	29″·379
The highest temperature „ „ „ „	11th	„ 1872	„	105°·0
The lowest „ „ „ „	16th	„ 1888	„	78°·2
The highest adopted mean temperature for the month „	1872 & 1892		„	89°·6
The lowest „ „ „ „	...	in 1879	„	86°·5
The highest reading of sun max. in vacuo „ „	27th	„ 1877	„	130°·5
The lowest „ „ „ „	18th	„ 1886	„	87°
The highest reading of nocturnal radiation „ „	15th	„ 1883	„	85°·9
The lowest „ „ „ „	5th	„ 1887	„	68°·3

General weather :—*b*, *f* and *o*. Kind of clouds :—cu—s, ci, cu and n. Lightning was seen on the 1st, 8th, 11th, 12th and 13th in the directions W. and N. On the 5th a large meteor was observed in the east at 8 P. M., with a trail of light lasting 5 seconds. On the 9th land wind from S. W. between 12 A. M. and 6 P. M. On the 10th, 11th, 12th, 13th and

15th mists were rising to the hill tops in the morning, but soon vanished. On the 29th lunar corona from 3½ to 4½ A. M. On 30th solar corona between 10 A. M. and 4 P.M.; inner edge grey, outer edge white. Weather was generally fine and sultry with passing clouds. The market rates same as last month. Rainfall since 1st January 1·44 inches. The quantity for the same period of last year was 7·79 inches; for 1892 was ·27 inch; for 1891, 2·45 inches; for 1890, 4·37 inches; for 1889, ·9 inch; for 1888, 3·6 inches; for 1887, 1·5 inches; for 1886, 5·2 inches; for 1885, 2·5 inches; for 1884, 2·2 inches; for 1883, 1·6 inches; for 1882, 2·5 inches; for 1881, 2·3 inches; for 1880, 7·7 inches; for 1879, 4·6 inches; for 1878, 3·4 inches; for 1877, 18·0 inches; for 1876, 1·5 inches; for 1875, 2·1 inches; for 1874, 2·5 inches; for 1873, 3·7 inches; for 1872, 1·6 inches; for 1871, 14·1 inches: for 1870, 3·9 inches; and for 1869, 1·0 inch.

The ranges of both barometer and thermometer varied only slightly from the normal. The max. thermometer was nearly 10° below that of 1872 which was the highest on record for the month of May. The highest reading of the solar radiation thermometer was nearly 2° above the average. The fall of rain was slightly more than 2 inches below the average of the previous 25 years. The prevalent wind direction was South-West.

METEOROLOGICAL REPORT

For June 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·585	29″·593
Barometric monthly mean reduced to sea-level	29″·616	29″·624
Highest reading of the barometer (for 1894 on the 9th)	29″·750	29″·755
Lowest reading of the barometer (for 1894 on the 22nd)	29″·456	29″·411
Range of barometer readings	0″·294	0″·344
Highest reading recorded of the max. temperature (for 1894 on the 3rd)	92°·3	°95·2
Lowest reading recorded of the min. temperature (for 1894 on the 21st)	79°	80°·6
Range of thermometer readings	13°·3	14°·6
Mean of maximum readings	88°·2	89°·8
Mean of minimum readings	82°·7	84°·8
Daily range of mean max. and min. readings...	5°·5	5°
Deduced monthly mean (from mean of max. and min.)	85°·5	87°·3
Mean temperature from dry bulb... ...	86°·7	87°·6
Adopted mean temperature (from max., min. and dry bulb)	86°·1	87°·5
Mean temperature of evaporation... ...	79°·1	79°·2
Mean of wet minimum	73°·5	74°·7
Mean temperature of dew-point	75°	74°
Mean elastic force of aqueous vapour ...	0″·854	0″·840
Mean weight of vapour in a cubic foot of air in grains	9·1	8·9
Mean additional weight required for saturation	4·2	4·8
Mean degree of humidity (saturation = 1·00) ...	·71	·68
Mean weight of a cubic foot of air in grains ...	500·1	499·3
Highest reading of sun max. in vacuo (for 1894 on the 23rd)	121°	123°
Lowest reading of sun max. in vacuo (for 1894 on the 20th)	93°	98°·6
Mean reading	109°·2	111°·7
Highest reading of nocturnal radiation (for 1894 on the 2nd)	82°·5	82°·6
Lowest reading of nocturnal radiation (for 1894 on the 22nd)	67°·5	73°·4
Mean reading	76°·1	77°·9
Mean serenity (clear sky = 10)	2·3	3·9
Mean ozone	0·8	1·9
Rainfall	3″·56	3″·56
Number of rainy days...	10	7

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	..	...	1	...	1	...	...	...	...	...	..	...	4	...	1	4	10	3	10	...	32	...	17	2	34	1	..	...	...	...	...	...	...

The maximum velocity of the wind during June 1894 on the 22nd	...	104·30	miles during the 24 hours.
The minimum " " " " on the 30th	...	5·11	Do. do.
The total number of miles registered during the month was "	...	1245·45	
Mean daily velocity	...	41·52	Do. do.

In the month of June the highest reading of the barometer during last 25 years was	on the	3rd	in 1874	and was	29″·869
The lowest " " " "		6th	" 1886	"	29″·331
The highest temperature " " "		5th	" 1888	"	100°·7
The lowest " " " "		19th	" 1893	"	77°·4
The highest adopted mean temperature for the month		"	... " 1873	"	90°·1
The lowest " " " "		"	... " 1890	"	85°·7
The highest reading of sun max. in vacuo " "		13th	" 1871	"	138°·0
The lowest " " " "		21st	" 1884	"	90°
The highest reading of nocturnal radiation " "		15th	" 1878	"	86°·4
The lowest " " " "		" 5th & 13th	" 1891	"	70°·5

General weather : —*b*, *o*, *f* and *g* :—Kind of clouds :—ci—s, cu—s, n and cu. Lightning was seen on the 2nd, 3rd, 9th, 10th, 11th, 12th, 19th, 22nd, 28th and 29th, in the directions N., E., S., W., N. E. and S. W. On the 1st and 2nd mists were rising to the hill tops in the morning. On the 18th and 28th corona round the moon. On the 24th, solar

corona from 10 A. M.; to 4 P. M.; inner edge grey, outer edge white. Cumboo transplantation was completed all over the district. The weather was more or less sultry. The market rates were as high as last month. Rainfall since 1st January 5·00 inches. The quantity for the same period of last year was 10·58 inches; for 1892, was 3·13 inches; for 1891, 5·61 inches; for 1890, 10·06 inches; for 1889, 4·7 inches; for 1888, 5·2 inches; for 1887, 10·3 inches; for 1886, 8·4 inches; for 1885, 5·5 inches; for 1884, 6·2 inches; for 1883, 3·5 inches; for 1882, 3·5 inches; for 1881, 10·9 inches; for 1880, 11·1 inches; for 1879, 16·7 inches; for 1878, 6·3 inches; for 1877, 19·3 inches; for 1876, 3·5 inches; for 1875, 3 2 inches; for 1874, 5·5 inches; for 1873, 5·6 inches; for 1872. 7·6 inches; for 1871, 17·2 inches; for 1870, 11·8 inches; and for 1869, 11·9 inches.

The ranges of both barometer and thermometer were a little below the average and the mean readings were also slightly below the mean of 25 years. Humidity was higher than usual. The rainfall was exactly equal to the average for the month. The general direction of the wind was chiefly South-West and West.

METEOROLOGICAL REPORT
For July 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·604	29″·592
Barometric monthly mean reduced to sea-level	29″·635	29″·623
Highest reading of the barometer (for 1894 on the 5th)	29″·746	29″·755
Lowest reading of the barometer (for 1894 on the 12th)	29″·391	29″·412
Range of barometer readings	0″·355	0″·343
Highest reading recorded of the max. temperature (for 1894 on the 2nd)... ...	90°·6	92°·6
Lowest reading recorded of the min. temperature (for 1894 on the 12th)	79°·8	78°·9
Range of thermometer readings	10° 8	13°·7
Mean of maximum readings	87°·7	87°·5
Mean of minimum readings	81°·9	82° 4
Daily range of mean max. and min. readings	5°·8	5°·1
Deduced monthly mean (from mean of max. and min.)	84°·8	85°
Mean temperature from dry bulb	85°·7	85°·3
Adopted mean temperature (from max., min. and dry bulb)	85°·3	85°·2
Mean temperature of evaporation ...	78°·3	77°·9
Mean of wet minimum	73°·6	73°·3
Mean temperature of dew-point	74°	73°
Mean elastic force of aqueous vapour ...	0″·827	0″·840
Mean weight of vapour in a cubic foot of air in grains	8·8	9·0
Mean additional weight required for saturation	4·1	3·6
Mean degree of humidity (saturation = 1·00)	·71	·71
Mean weight of a cubic foot of air in grains...	501·2	502·0
Highest reading of sun max. in vacuo (for 1894 on the 2nd)	121°·8	123°·8
Lowest reading of sun max. in vacuo (for 1894 on the 10th)	94°	95°·1
Mean reading	109°·6	112°
Highest reading of nocturnal radiation (for 1894 on the 22nd)	78°	79°·7
Lowest reading of nocturnal radiation (for 1894 on the 16th)	69°·5	72°
Mean reading	74°·9	76°
Mean serenity (clear sky = 10)	1·6	3·0
Mean ozone	0·7	1·7
Rainfall	2″·31	5″·00
Number of rainy days	11	11

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	1	7	...	26	3	21	10	50	2	...	..	...	...	...	...	...

The maximum velocity of the wind during July 1894, was on the 8th ...		67·23	miles during the 24 hours.
The minimum ,, ,, ,, ,,	15th ...	3·90	Do. do.
The total number of miles registered during the month was	...	942·09	
Mean daily velocity	...	30·39	Do. do.

In the month of July the highest reading of the barometer during last 25 years was on the	2nd	in	1893 and was	29″·806
The lowest ,, ,, ,,	17th	,,	1889 ,,	29″ 327
The highest temperature ,, ,, ,,	4th	,,	1877 ,,	97° 0
The lowest ,, ,, ,,	9th	,,	1873 ,,	77°
The highest adopted mean temperature for the month	...	,,	1877 ,,	88°·2
The lowest ,, ,, ,,	...	,,	1890 ,,	82°·9
The highest reading of sun max. in vacuo ,, ,,	18th	,,	1871 ,,	132°·0
The lowest ,, ,, ,,	6th	,,	1890 ,,	88°·5
The highest reading of nocturnal radiation ,, ,,	20th	,,	1883 ,,	82°·4
The lowest ,, ,, ,,	14th	,,	1890 ,,	67°

General weather :—*f*, *b*, *o* and *g*. Kind of clouds :—cu—s, n, ci—s, cu and ci. Lightning was seen on the 6th, 14th, 30th and 31st in the directions, E., S., W. and N. On the 6th, 7th, 11th, 12th and 25th solar corona from 10 A.M. to 4 P.M.,

inner edge grey, outer edge white. On the 13th, 18th, 19th, 21st 24th and 25th lunar corona. The chief feature of the weather during this month was more or less cloud with light showers which helped the crops of cumboo and raggy. The prices of food-grains were the same as before. Rainfall since 1st January 7·31 inches. The quantity for the same period of last year was 16·34 inches; for 1892, 8 12 inches; for 1891, 9·35 inches; for 1890, 13·77 inches; for 1889, 13·2 inches; for 1888, 8·5 inches; for 1887, 16·6 inches; for 1886, 15·9 inches; for 1885, 9·2 inches; for 1884, 9·1 inches; for 1883. 6·3 inches; for 1882, 8·4 inches; for 1881, 13·6 inches; for 1880, 20·0 inches; for 1879, 19·7 inches; for 1878, 15·8 inches; for 1877, 23·0 inches; for 1876, 7·3 inches; for 1875, 6·6 inches; for 1874, 10·2 inches; for 1873, 14·8 inches; for 1872, 16·8 inches; for 1871, 19·5 inches; for 1870, 15·9 inches; and for 1869, 18·5 inches.

Pressure was above the average and its range somewhat in excess. The highest reading of the Barometer was ·060″ below that of 1893 which was the highest on record for the month of July. Temperature did not vary much from the normal. The prevalent wind directions were South-West and West.

METEOROLOGICAL REPORT

For August 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·625	29″·633
Barometric monthly mean reduced to sea-level	29″·656	29″·664
Highest reading of the barometer (for 1894 on the 24th)	29″·818	29″·812
Lowest reading of the barometer (for 1894 on the 17th)	29″·385	29″·450
Range of barometer readings	0″·433	0″·362
Highest reading recorded of the max. temperature (for 1894 on the 12th) ...	90°·5	91° 4
Lowest reading recorded of the min. temperature (for 1894 on the 1st)	79°·5	79°·9
Range of thermometer readings	11°	11°·5
Mean of maximum readings	87°·1	87°·4
Mean of minimum readings	82°·1	82°·7
Daily range of mean max. and min. readings ...	5°	4°·7
Deduced monthly mean (from mean of max. and min.)	84°·6	85°·1
Mean temperature from dry bulb ...	85°·9	85°·3
Adopted mean temperature (from max., min. and dry bulb)	85°·3	85°·2
Mean temperature of evaporation ...	78°·8	78°·4
Mean of wet minimum	74°·3	73°·7
Mean temperature of dew-point	78°	74°
Mean elastic force of aqueous vapour ...	0″·868	0″·840
Mean weight of vapour in a cubic foot of air in grains	9·3	9·0
Mean additional weight required for saturation	3·7	3·6
Mean degree of humidity (saturation = 1·00)	·72	·72
Mean weight of cubic foot of air in grains ...	500·9	502·0
Highest reading of sun max. in vacuo (for 1894 on the 31st)	122°	125°·1
Lowest reading of sun max. in vacuo (for 1894 on the 20th)	93°·5	96°
Mean reading	111°	113°·1
Highest reading of nocturnal radiation (for 1894 on the 11th)	78°·4	79°
Lowest reading of nocturnal radiation (for 1894 on the 4th)	71° 5	72°·2
Mean reading	74°·9	80°·1
Mean serenity (clear sky = 10)	2·4	3·3
Mean ozone	0·8	1·3
Rainfall	2″·69	5″·80
Number of rainy days	11	11

Wind Observations.	North.	N. by E.	N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	...	...	...	...	1	.	...	...	1	...	...	...	4	...	1	...	5	6	10	1	34	1	10	6	39	2	1	..	2	...	...	...

The maximum velocity of the wind during August 1894 was on the 10th	40·90	miles during the 24 hours.
The minimum " " " " 27th	1·54	Do. do.
The total number of miles registered during the month was ...	501·92	
Mean daily velocity	16·19	Do. do.

In the month of August the highest reading of the barometer during last 25 years was on the	12th	in 1873	and was	29·884
The lowest " " " "	6th	" 1889	"	29″·373
The highest temperature " " "	7th	" 1877	"	95″
The lowest " " " "	11th	" 1890	"	77°·8
The highest adopted mean temperature for the month		" 1877	"	86°·9
The lowest " " "		1892 & 1893	"	84°·1
The highest reading of sun max. in vacuo "	"	8th in 1885	"	134°·5
The lowest " " "	"	23rd " 1881	"	89°
The highest reading nocturnal radiation "	"	9th " 1883	"	82°·9
The lowest " " "	"	11th " 1880	"	65°·4

General weather :—*o*, *f* and *b*:—Kind of clouds:—cu—s, n, ci, ci—s, and cu. Lightning was seen on the 26th, 27th, 28th and 29th in the directions E., S., W. and N. On the 8th rainbow in the west at 6½ A.M. On the 10th, 12th, 14th and 15th solar corona from 10 A.M. to 4 P.M.; inner edge grey, outer edge white. On the 13th corona round the moon from 8 to 9 P.M. On the 17th another from 9 to 10½ P.M. On the 22nd a large meteor was observed in the east at 10 P.M.

with a trail of light lasting 5 seconds falling perpendicularly to the earth. The scarcity of rain was much felt in transplanting paddy. The prices of food-grains were higher than last month. Rainfall since 1st January 10·00 inches. The quantity for the same period of last year was 18·73 inches; for 1892, 20·54 inches; for 1891, 13·52 inches; for 1890, 18·00 inches; for 1889, 16·7 inches; for 1888, 10·2 inches; for 1887, 22·4 inches; for 1886, 19·6 inches; for 1885, 13·0 inches; for 1884, 20·6 inches; for 1883, 18·2 inches; for 1882, 11·5 inches; for 1881, 21·1 inches; for 1880, 25·1 inches; for 1879, 22·2 inches; for 1878, 21·3 inches; for 1877, 26·6 inches; for 1876, 11·9 inches; for 1875, 9·9 inches; for 1874, 13·3 inches; for 1873, 25·0 inches; for 1872, 25·6 inches; for 1871, 23·2 inches; for 1870, 21·0 inches; and for 1869, 29·2 inches.

Both the barometer and thermometer mean readings differed only slightly from their mean values of 25 years but the range of the barometer was greater than usual. Solar and nocturnal radiation were both below the average. The humidity percentage was normal but the remaining hygrometrical results were slightly above the normal. The prevailing wind was from West.

METEOROLOGICAL REPORT

For September 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·682	29″·693
Barometric monthly mean reduced to sea-level	29″·713	29″·724
Highest reading of the barometer (for 1894 on the 4th)	29″·828	29″·883
Lowest reading of the barometer (for 1894 on the 27th)	29″·541	29″·482
Range of barometer readings	0″·287	0″·401
Highest reading recorded of the max. temperature (for 1894 on the 21st)	89°	90°·5
Lowest reading recorded of the min. temperature (for 1894 on the 26th)	79°·2	79°·5
Range of thermometer readings	9°·8	11°
Mean of maximum readings	85°·7	86°·9
Mean of minimum readings	81°·3	82°·3
Daily range of mean max. and min. readings ...	4°·4	4°·6
Deduced monthly mean (from mean of max. and min.)	83° 5	84°·6
Mean temperature from dry bulb	84°·3	84°·9
Adopted mean temperature (from max., min. and dry bulb)	83°·9	84°·8
Mean temperature of evaporation... ...	79°	78°·4
Mean of wet minimum...	74°	73°·6
Mean temperature of dew-point	76°	74°
Mean elastic force of aqueous vapour ...	0″·896	0″·840
Mean weight of vapour in a cubic foot of air in grains	9·6	9·0
Mean additional weight required for saturation	2·6	3·6
Mean degree of humidity (saturation = 1·00) ...	·78	·74
Mean weight of a cubic foot of air in grains ...	502·6	502·0
Highest reading of sun max. in vacuo (for 1894 on the 1st)	124°·8	124°·8
Lowest reading of sun max. in vacuo (for 1894 on the 24th)	91°	99°·2
Mean reading	109°	113°·1
Highest reading of nocturnal radiation (for 1894 on the 6th)	78°	78°·4
Lowest reading of nocturnal radiation (for 1894 on the 29th)	71°	71°·7
Mean reading	74°·2	79°·5
Mean serenity (clear sky = 10)	2·9	4·1
Mean ozone	0·8	1·2
Rainfall	8″·85	8″·29
Number of rainy days	18	12

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	1	...	...	...	3	...	...	...	2	...	1	...	...	...	...	1	4	4	9	...	20	...	5	3	48	11	2	...	5	...	1	..

The maximum velocity of the wind during September 1894 was	on the 29th ...	112·60	miles during the 24 hours.
The minimum „ „ „	„ 11th ...	2·39	Do. do.
The total number of miles registered during the month was	„ ...	639·83	
Mean daily velocity	...	21·33	Do. do.

In the month of Sept. the highest reading of the barometer during last 25 years was	on the 22nd	in 1888	and was	29″·972
The lowest „ „ „	„ 18th	„ 1889	„	29″·346
The highest temperature „ „	„ 23rd	„ 1880	„	95°·5
The lowest „ „ „	„ 9th and 15th	„ 1892 „ 1893	„	76°
The highest adopted mean temperature for the month		„ 1878	„	86°·1
The lowest „ „ „		„ 1893	„	82°·9
The highest reading of sun max. in vacuo „	„ 12th	„ 1873	„	132°·0
The lowest „ „ „	„ 12th	„ 1880	„	88°·8
The highest reading of nocturnal radiation	„ 15th	„ 1885	„	80°·4
The lowest	„ 21st	„ 1882	„	70°·7

General weather :—*b*, *f*, *o* and *g* :—Kind of clouds :—cu—s, n, ci, cu—s and cu. Lightning was seen on the 1st, 6th, 11th, 12th, 13th, 14th, 15th, 16th, 18th, 23rd, 29th, in the direction N., E., S., W., N., E., S. W., and N. E. On the 22nd a meteor was seen in the east falling perpendicularly to the earth with a train of light lasting 6 seconds. On the

8th corona round the sun from 10-30 A. M. to 2 P. M.; inner edge grey, outer edge white. 14th, rainbow in the east at 5 P. M. Weather very sultry and less wind than usual. Rainfall was less than usual, and the total quantity of rain recorded since 1st January was considerably below the average. Crops were however in good condition. The prices of food-grains were the same as last month. Rainfall since 1st January 18·85 inches. The quantity for the same period of last year was 40·76 inches; for 1892 was 28·71 inches; for 1891, 16·94 inches; for 1890, 23·74 inches; for 1889, 31·5 inches; for 1888, 11·4 inches; for 1887, 28·6 inches; for 1886, 34·8 inches; for 1885, 26·2 inches; for 1884, 30·6 inches; for 1883, 24·5 inches; for 1882, 29·3 inches; for 1881, 26·9 inches; for 1880, 26·8 inches; for 1879, 26·2 inches; for 1878, 28·0 inches; for 1877, 36·1 inches; for 1876, 19·3 inches; for 1875, 19·8 inches; for 1874, 23·1 inches; for 1873, 28·7 inches; for 1872, 33·2 inches; for 1871, 26·4 inches; for 1870, 37·1 inches; and for 1869, 33·8 inches.

Both pressure and temperature were a little below the average, and their range considerably less than the mean values of the preceding 25 years. The maximum thermometer was lower by 6°·5 than that of 1880 which was the highest on record for the month of September. Prevailing wind directions were South-West and West.

METEOROLOGICAL REPORT

For October 1894.

Results of observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·806	29″·819
Barometric monthly mean reduced to sea-level	29″ 837	29″·850
Highest reading of the barometer (for 1894 on the 24th)	29″·968	29″·992
Lowest reading of the barometer (for 1894 on the 2nd)	29″·589	29″·591
Range of barometer readings	0″·379	0″·401
Highest reading recorded of the max. temperature (for 1894 on the 4th)	89°·4	88°·9
Lowest reading recorded of the min. temperature (for 1894 on the 22nd)	76°·2	76°·5
Range of thermometer readings	13°·2	12°·4
Mean of maximum readings	85°	85°·4
Mean of minimum readings	79°·7	80°·4
Daily range of mean max. and min. readings	5°·3	5°
Deduced monthly mean (from mean of max. and min.)	82°·4	82°·9
Mean temperature from dry bulb ...	82°·2	83°·3
Adopted mean temperature (from max., min. and dry bulb)	82°·3	83°·1
Mean temperature of evaporation ...	77°·5	76°·5
Mean of wet minimum	72°·2	71°·8
Mean temperature of dew-point	75°	72°
Mean elastic force of aqueous vapour ...	0″·882	0″·827
Mean weight of vapour in a cubic foot of air in grains	9·5	8·9
Mean additional weight required for saturation	2·0	2·9
Mean degree of humidity (saturation = 1·00)	·81	·72
Mean weight of a cubic foot of air in grains ...	504·6	504·0
Highest reading of sun max. in vacuo (for 1894 on the 13th)	122°·0	122°·9
Lowest reading of sun max. in vacuo (for 1894 on the 17th)	102°·8	98°·2
Mean reading	112°	112°·8
Highest reading of nocturnal radiation (for 1894 on the 13th)	75°·6	76°·1
Lowest reading of nocturnal radiation (for 1894 on the 5th)	65°·0	65°·8
Mean reading	71°·7	76°·2
Mean serenity (clear sky = 10)	3·2	5·4
Mean ozone	0·7	1·5
Rainfall	21″·39	11″·75
Number of rainy days	15	11

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	5	...	4	...	19	...	...	...	5	1	...	...	5	1	...	...	1	...	1	...	20	...	6	1	29	4	3	...	15	...	4	...

The maximum velocity of the wind during October 1894 was on the 1st ...	116·05	miles during the 24 hours
The minimum ,, ,, ,, ,, 24th ...	12·80	Do. do.
The total number of miles registered during the month was ...	1498·55	
Mean daily velocity	48·34	Do. do.

In the month of Oct. the highest reading of the barometer during last 25 years was on the	19th	in 1876 and was	30″·061
The lowest ,, ,, ,,	8th	,, 1876 ,,	28″·920
The highest temperature ,, ,, ,,	1st	,, 1888 ,,	92°·1
The lowest ,, ,, ,, ,,	1st	,, 1873 ,,	72°·0
The highest adopted mean temperature for the month was	...	,, 1871 ,,	86°
The lowest ,, ,, ,,	...	,, 1873 ,,	81°·1
The highest reading of sun max. in vacuo ,, ,,	2nd	,, 1871 ,,	131°·0
The lowest ,, ,, ,, ,,	13th	,, 1893 ,,	90°·0
The highest reading of nocturnal radiation ,, ,,	12th	,, 1882 ,,	78°·9
The lowest ,, ,, ,, ,,	28th	,, 1881 ,,	60°·2

General weather :—*b*, *o*, *f* and *g*. Kind of clouds :—cu—s, ci—s, cu, ci and n. Lightning was seen on the 1st, 3rd, 5th, 8th, 9th, 10th, 13th, 17th, 18th, 19th, 20th, 21st, 23rd, 24th, 28th and 29th in the directions N., E., S., W., N. E., S. E.,

S. W., and N. W. On the 8th a large meteor in the west at 8½ P.M., falling perpendicularly to the earth with a trail of light lasting 5 seconds. On the 8th and 9th solar corona from 10 A.M. to 12 A.M.; inner edge grey, outer edge white. On the 9th corona round the moon from 7 to 8 P.M. On the 14th and 15th fragments of a rainbow were seen at 7 A.M. in the west. Northerly winds of transition period commenced. On the 9th, good showers commenced and continued from that date forward. The continuous rain received from 16th to 25th, made the country as fertile as possible, water abundant. The prices of food-grains were slowly falling. Rainfall from 1st January 40·24 inches. The quantity for the same period of last year was 45·88 inches; for 1892 was 56·95 inches; for 1891, 18·44 inches; for 1890, 31·05 inches; for 1889, 43·97 inches; for 1888, 17·4 inches; for 1887, 40·3 inches; for 1886, 65·0 inches; for 1885, 34 4 inches; for 1884, 36·6 inches; for 1883, 37·4 inches; for 1882, 32·0 inches; for 1881, 31·2 inches; for 1880, 38·2 inches; for 1879, 30·8 inches; for 1878, 43·6 inches; for 1877, 30·8 inches; for 1876, 38·5 inches; for 1875, 28·8 inches; for 1874, 44·1 inches; for 1873, 46·3 inches; for 1872, 46·4 inches; for 1871, 26·7 inches; for 1870, 57·0 inches; and for 1869, 40·9 inches.

The mean reading of the barometer was somewhat below the average, the highest reading also being below the average making its range less than usual. Temperature was below the normal. All the hygrometrical results except the mean additional weight required for saturation were above the average. The rainfall was nearly double the average of 25 years. The prevailing wind was West.

METEOROLOGICAL REPORT

For November 1894.

Results of Observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	29″·985	29″·935
Barometric monthly mean reduced to sea-level	30″·017	29″·967
Highest reading of the barometer (for 1894 on the 23rd)	30″·155	30″·091
Lowest reading of the barometer (for 1894 on the 1st)	29″·657	29″·725
Range of barometer readings	0″·498	0″·366
Highest reading recorded of the max. temperature (for 1894 on the 6th)	87°·0	85°·0
Lowest reading recorded of the min. temperature (for 1894 on the 12th)	69°·8	70°·2
Range of thermometer readings	17°·2	14°·8
Mean of maximum readings	81°·0	81° 6
Mean of minimum readings	74°·1	75°·5
Daily range of mean max. and min. readings...	6°·9	6°·1
Deduced monthly mean (from mean of max. and min.)	77°·6	78°·6
Mean temperature from dry bulb	77°·5	79°·1
Adopted mean temperature (from max., min. and dry bulb)	77°·6	78°·9
Mean temperature of evaporation... ...	71°·3	71°·4
Mean of wet minimum	69°·2	66°·3
Mean temperature of dew-point	68°	66°
Mean elastic force of aqueous vapour ...	0″·670	0″·659
Mean weight of vapour in a cubic foot of air in grains...	7·3	7·1
Mean additional weight required for saturation	2·9	3·4
Mean degree of humidity (saturation = 1·00)...	·73	·66
Mean weight of a cubic foot of air in grains...	509·7	508·8
Highest reading of sun max. in vacuo (for 1894 on the 6th)	116°·0	119°·1
Lowest reading of sun max. in vacuo (for 1894 on the 2nd)	94°	94°·9
Mean reading	106°·7	109°·6
Highest reading of nocturnal radiation (for 1894 on the 2nd)	73°	73°·3
Lowest reading of nocturnal radiation (for 1894 on the 11th)	57°·7	56°·1
Mean reading	64°·1	68°·7
Mean serenity (clear sky = 10)	7·2	6·6
Mean ozone	0·9	2·2
Rainfall	3″·16	5″·21
Number of rainy days...	5	5

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N. E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	8	3	8	...	49	...	...	1	1	1	..	...	...	...	...	...	2	...	.	...	8	..	1	2	11	3	3	...	18	...	1	...

The maximum velocity of the wind during November 1894 was on the 1st ...	105·40	Miles during the 24 hours.
The minimum ,, ,, ,, ,, 6th ...	20·80	Do. do.
The total number of miles registered during the month was	1772·43	
Mean daily velocity	59·08	Do. do.

In the month of Nov. the highest reading of the barometer during last 25 years was on the	29th	in	1888	and was	30″·177
The lowest ,, ,, ,,	5th	,,	1870	,,	29″·757
The highest temperature ,, ,,	10th	,,	1878	,,	88°·6
The lowest ,, ,, ,,	24th & 25th	,,	1892	,,	64°·0
The highest adopted mean temperature for the month	...	,,	1871	,,	82°·2
The lowest ,, ,, ,, ...	...	,,	1892	,,	75°·7
The highest reading of sun max. in vacuo ,,	10th	,,	1878	,,	130°·0
The lowest ,, ,, ,,	8th	,,	1890	,,	88°·0
The highest reading of nocturnal radiation ,,	2nd	,,	1882	,,	76°·4
The lowest ,, ,, ,,	30th	,,	1879	,,	49°·9

General weather :—*o*, *b*, *g*, *f* and *w* :—Kind of clouds :—cu—s, cu, n, ci, and ci—s. Lightning was seen on the 1st, 3rd, 4th and 5th in the directions N., E., S., W., N. E., S. E., and N. W. Crops were in splendid condition and tanks were full, there being a sufficient supply of water for the pyra crops. A very good harvest of paddy was anticipated. Cold

rapidly increased. The prices of food-grains were the same as last month. Rainfall since 1st January 43·40 inches. The quantity for the same period of last year was 56·60 inches; for 1892 was 59·35 inches; for 1891, 18·55 inches; for 1890, 35·87 inches; for 1889, 47·25 inches; for 1888, 31·7 inches; for 1887, 43·6 inches; for 1886, 77·0 inches; for 1885, 41·8 inches; for 1884, 36·6 inches; for 1883, 42·8 inches; for 1882, 44·6 inches; for 1881, 31 7 inches; for 1880, 48·7 inches; for 1879, 44·3 inches; for 1878. 50·4 inches; for 1877, 40·1 inches; for 1876, 40·8 inches; for 1875, 28·9 inches; for 1874, 47·4 inches; for 1873, 47·8 inches; for 1872, 49·9 inches; for 1871, 29·2 inches; for 1870, 60·3 inches; and for 1869, 43·3 inches.

The mean reading of the barometer was nearly ·050″ above the average. Temperature was nearly two degrees below. Humidity was higher than the average. Solar and nocturnal radiation were both below. The prevalent wind direction was N. E.

METEOROLOGICAL REPORT

For December 1894.

Results of Observations taken during the month.		Mean for 25 years.
Mean reading of the barometer	30″·019	29″·998
Barometric monthly mean reduced to sea-level	30″·051	30″·030
Highest reading of the barometer (for 1894 on the 23rd)	30″·183	30″·145
Lowest reading of the barometer (for 1894 on the 12th)	29″·855	29″·829
Range of barometer readings	0″·328	0″·316
Highest reading recorded of the max. temperature (for 1894 on the 14th)	80°·8	81°·2
Lowest reading recorded of the min. temperature (for 1894 on the 30th)	64°·4	64°·9
Range of thermometer readings	16°·4	16°·3
Mean of maximum readings	78°·9	78°·4
Mean of minimum readings	69°·9	70°
Daily range of mean max. and min. readings...	9°	8°·4
Deduced monthly mean (from mean of max. and min.)	74°·4	74° 2
Mean temperature from dry bulb	74°·9	75°·3
Adopted mean temperature (from max., min. and dry bulb)	74°·7	74°·8
Mean temperature of evaporation	67°·9	67°·1
Mean of wet minimum	66°·3	61°·5
Mean temperature of dew-point	64°	61°
Mean elastic force of aqueous vapour ...	0″·607	0″·578
Mean weight of vapour in a cubic foot of air in grains	6·6	6·3
Mean additional weight required for saturation in grains...	2·7	3·0
Mean degree of humidity (saturation = 1·00) ...	·68	·63
Mean weight of a cubic foot of air in grains ...	512·9	513·1
Highest reading of sun max. in vacuo (for 1894 on the 6th)	108°·4	114°·2
Lowest reading of sun max. in vacuo (for 1894 on the 17th)	98°·8	97°·6
Mean reading	101°·6	106°·3
Highest reading of nocturnal radiation (for 1894 on the 15th)	67°·8	69° 9
Lowest reading of nocturnal radiation (for 1894 on the 30th)	49°·7	50°·9
Mean reading	58°·2	62° 6
Mean serenity (clear sky = 10)	8·4	7·6
Mean ozone	0·7	2·4
Rainfall	0	1″·96
Number of rainy days...	0	1

Wind Observations.	North.	N. by E.	N. N. E.	N. E. by N.	N E.	N. E. by E.	E. N. E.	E. by N.	East.	E. by S.	E. S. E.	S. E. by E.	S. E.	S. E. by S.	S. S. E.	S. by E.	South.	S. by W.	S. S. W.	S. W. by S.	S. W.	S. W. by W.	W. S. W.	W. by S.	West.	W. by N.	W. N. W.	N. W. by W.	N. W.	N. W. by N.	N. N. W.	N. by W.
Number of observations of each direction during the month ...	20	1	4	...	32	1	1	...	7	...	...	...	4	...	1	...	2	...	...	...	7	1	2	...	3	1	6	...	30	...	1	...

The maximum velocity of the wind during December, 1894, was on the 14th ..	92·54	Miles during the 24 hours.	
The minimum „ „ „ „ „ 7th ..	29·88	Do.	do.
The total number of miles registered during the month was	1639·92		
Mean daily velocity	52·90	Do.	do.

In the month of Dec. the highest reading of the barometer during last 25 years was on the	21st	in 1883	and was	30″·194
The lowest „ „ „ „	7th „	1878	„	29″·593
The highest temperature „ „ „	4th „	1878	„	85°·5
The lowest „ „ „ „	29th „	1888	„	59°·5
The highest adopted mean temperature for the month	... „	1871	„	79°·2
The lowest „ „ „ ...	... „	1874	„	72°·5
The highest reading of sun max. in vacuo „ „	9th „	1872	„	121°·0
The lowest „ „ „ „	2nd „	1883	„	85°·0
The highest reading of nocturnal radiation „ „	21st „	1885	„	76°·9
The lowest „ „ „ „	17th „	1878	„	47°·9

General weather:—*b* and *w*. Kind of clouds:—ci, ci—s, cu—s and cu. Skies were generally clear. Heavy dew at nights. The crop of horse grain was in splendid condition. The prices of food-grains were same as last month. Rainfall since 1st January 43·40 inches. The quantity for the same period of last year was 56·60 inches; for 1892, was 59·35 inches; for 1891, 18·85 inches; for 1890, 36·45 inches; for 1889, 50·10 inches; for 1888, 31·7 inches; for 1887, 43·6 inches;

for 1886, 79·5 inches; for 1185, 44·6 inches; for 1884, 36·6 inches; for 1883, 43·9 inches; for 1882, 46·9 inches; for 1881, 36·1 inches; for 1880, 50·1 inches; for 1879, 44·5 inches; for 1878, 76·2 inches; for 1877, 40·1 inches; for 1876, 40·8 inches; for 1875, 29·0 inches; for 1874, 47·9 inches; for 1873, 52·2 inches; for 1872, 53·9 inches; for 1871, 27·3 inches: for 1870, 60·3 inches; and for 1869, 43·6 inches.

Barometer slightly higher and thermometer slightly lower than usual. The ranges of both pressure and temperature differed but little from the mean values of 25 years. The total rainfall since 1st January was 43·40 inches, or exactly identical with the mean for 25 years. Prevailing winds were N. E. and N. W.

Abstract for the year 1894.

Means and Extremes of Meteorological Observations for the year 1894.

		Mean for 25 years.
Mean reading of the barometer	29″·800	29″·796
Highest reading of the barometer for 1894 on the 23rd December	30″·183	30″·180
Lowest reading of the barometer for 1894 on the 17th August	29″·385	29″·341
Mean of highest readings for each month ...	29″·965	29″·969
Mean of lowest ,, ,, ...	29″·599	29″·612
Range of barometer readings during the year	0″·798	0″·839
Greatest monthly range (for 1894 in Nov.)...	0″·498	0″·541
Smallest ,, ,, (,, ,, ,, Sept) ..	0″·287	0″·265
Mean daily range	0″·366	0″·357
Mean temperature of air	82°·5	82°·7
Highest reading recorded of the max. thermometer for 1894 on the 14th May ...	95°·5	97°·2
Lowest reading recorded of the min. thermometer for 1894 on the 30th December ...	64°·4	64°·9
Yearly range of thermometer readings ...	31°·1	32°·9
Greatest monthly range (for 1894 in January)	19°·0	19°·5
Smallest ,, ,, (,, ,, ,, Sept.)...	9° 8	9°·7
Mean of Maximum readings	84°·1	84°·9
Mean of minimum readings	78°·4	79°·2
Mean daily range for the year	5°·7	5°·7
Greatest mean daily range (for 1894 in Jan)	9°·1	9°·3
Smallest ,, ,, ,, (,, ,, ,, Sept.)	4°·4	4°·3
Deduced yearly mean (from mean of max. and min.)	81° 7	82°·3
Adopted mean temperature	82°·1	82°·5
Mean temperature of evaporation ...	75°·7	75°·7
Mean of wet minimum thermometer readings	71°·1	70°·0
Mean temperature of dew-point ...	72°	70°0
Mean elastic force of aqueous vapour ...	0″·793	0″·775
Mean weight of vapour in a cubic foot of air in grains	8·4	8·1
Mean additional weight required for saturation in grains	3·4	3·6
Mean degree of humidity (saturation = 1·00)	·71	·64
Mean weight of a cubic foot of air in grains.	504·5	504·6
Highest reading of sun max. in vacuo (for 1894 on the 1st September)	124°·8	127°·7
Lowest reading of sun max. in vacuo (for 1894 on the 24th September)	91°·0	99°·4
Mean reading	108 ·0	110°·6

Abstract for the year 1894.—(*Continued.*)

		Mean for 25 years.
Highest reading of nocturnal radiation (for 1894 on the 12th May	83°·0	83° 8
Lowest reading of nocturnal radiation (for 1894 on the 30th December)	49°·7	49°·0
Mean reading	68°·3	70°·8
Mean serenity (clear sky = 10)	5·4	6·0
Mean ozone ...	0·6	1·9
Maximum daily velocity of the wind (for 1894 on the 1st October) in miles	116·05	236·81
Minimum daily velocity of the wind (for 1894 on the 27th August)	1·54	4·88
Mean daily velocity	34·21	60·75
Highest mean daily velocity of the wind (for 1894 in November)	59·08	104·67
Lowest mean daily velocity of the wind (for 1894 in January)	15·72	29·14
Total fall of rain in the year	43″·40	45″·52
Greatest monthly fall of rain (for 1894 in Oct.)	21″·39	15″·37
* Smallest „ „ „ („ „ „ May)	0″·06	0″·34
Number of days on which rain fell ...	75	66
Greatest number (for 1894 in September) ...	18	14
* Smallest „ („ „ „ April and May)	1	1

* No rain fell in January, February, March and December.

TABLE I.

AVERAGES AND EXTREMES.

Averages and Extremes of Meteorological Observations during the past 25 years.

Mean reading of the barometer	29″·796
The highest monthly mean height of the barometer was in January, 1877	30″·059
The lowest monthly mean height of the barometer was in July, 1882	29″·546
The highest yearly mean height of the barometer was in 1877	29″·841
The lowest yearly mean height of the barometer was in 1879	29″·781
The greatest monthly range of the barometer was in November, 1870...	1″·349
The smallest monthly range of the barometer was in December, 1879	0″·223
The greatest mean yearly range of the barometer was in 1870	0″·429
The smallest mean yearly range of the barometer was in 1885	0″·328
The greatest range of the barometer during 25 years	1″·466
The maximum pressure was on the 23rd January, 1885	30″·223
The minimum pressure was on the 5th November, 1870	28″·757
The next minimum pressure was on the 8th October, 1876	28″·920
The mean temperature of air	82°·7
The greatest monthly range in temperature of air was in February, 1881	26°·3
The smallest monthly range in temperature of air was in April, 1877	8°·3
The greatest yearly range in temperature of air was in 1888	41°·6
The greatest range in temperature of air during 25 years	45°·5

TABLE I.—*(Continued.)*

Mean daily range	6°·6
The greatest mean daily range during 25 years was in January, 1889	14°·9
The smallest mean daily range during 25 years was in September, 1872...	2°·6
The highest temperature in the shade was on the 11th May, 1872	105°·0
The next highest temperature in the shade was on the 20th May, 1888	101°·1
The lowest temperature in the shade was on the 29th December, 1888...	59°·5
The next lowest temperature in the shade was on the 14th December, 1889	60°·0
The highest solar radiation was on the 13th June, 1871	138°·0
The lowest solar radiation was on the 2nd December, 1883	86°·4
The highest nocturnal radiation was on the 15th June, 1887	85°·0
The lowest nocturnal radiation was on the 4th January, 1891	47°·0
The max. daily velocity of the wind during 25 years was on the 8th October, 1876, in miles	788·50
The min. daily velocity of the wind during 25 years was on the 7th October, 1886	·05
Mean daily velocity	61·43
The greatest monthly mean daily velocity was in July, 1876...	159·22
The smallest monthly mean daily velocity was in December, 1886	8·30
Mean amount of annual rainfall	45″·57
Mean number of rainy days	64
The greatest annual rainfall was in 1886	79″·50
The next greatest annual rainfall was in 1878 ...	72″·20
The smallest annual rainfall was in 1891	18″·85
The greatest range in annual rainfall during 29 years	60″·65
The greatest number of days, in a year on which rain fell was in 1880	90

TABLE I.—*(Concluded.)*

The smallest number of days in a year on which rain fell was in 1888	42
The greatest yearly range in number of days of rain during 29 years	48
The largest fall of rain in a month was in October, 1886	30″·20
The smallest fall of rain in a month was in January, 1869, (omitting months in which no rain fell) ...	0″·10
The greatest range in monthly rainfall during 29 years	30″·10
The greatest number of days on which rain fell in a month was in October, 1886	23
* The heaviest fall of rain in a day was on the 18th September, 1889...	10″·80
The heaviest fall of rain in one hour was on the 2nd September, 1877...	4″·20
The heaviest fall of rain in two hours (when the preceding weather was fine with passing clouds) was on the 18th December, 1885	7″·50
The heaviest fall of rain in a fraction of an hour was on the 30th August, 1887, in 20 minutes ...	2″·00
And again on the 31st May, 1878, in 15 minutes ..	1″ 50

* During a cyclone in October, 1876, it was 17·6 inches in 24 hours.

TABLE

Meteorological Summary

MEANS AND EXTREMES OF PRESSURE

MONTHS.	Mean.	4-hour.	10-hour.	16-hour.	22-hour.	Range.
	"	"	"	"	"	"
January ...	29·991	29·919	30·033	29·907	29·991	·126
February ...	29·979	29·909	30·022	29·897	29·977	·125
March ...	29·864	29·792	29·905	29·780	29·866	·125
April ...	29·787	29·724	29·827	29·697	29·790	·130
May ...	29·677	29·619	29·703	29·592	29·683	·111
June ...	29·585	29·520	29·609	29·499	29·597	·110
July ...	29·604	29·530	29·626	29·528	29 620	·098
August ...	29·625	29·555	29·650	29·542	29·638	·108
September ...	29·682	29·610	29·714	29·602	29·695	·112
October ...	29·806	29·723	29·846	29·733	29·812	·123
November ...	29·985	29·916	30·014	29·909	29·991	·105
December ...	30·019	29·951	30·052	29·938	30·018	·114
Mean of year ...	29·800	29·731	29·833	29·719	29·807	·116

II.

for the year 1894.

OF AIR.			MEAN AND EXTREME AIR TEMPERATURE IN THE SHADE.				
Highest reading.	Lowest reading.	Absolute range.	Mean.	4-hour.	10-hour.	16-hour.	22-hour.
"	"	"	°	°	°	°	°
30·131	29·837	·294	75·7	72·1	76·1	79·0	75·4
30·125	29·787	·338	79·0	75·7	79·5	82·2	78·8
30·039	29·663	·376	84·0	81·9	84·6	86·0	83·6
29·976	29·573	·403	85·5	83·7	86·5	86·8	85·0
29·861	29·458	·403	89·1	86·9	90·1	90·6	88·8
29·750	29·456	·294	86·7	84·7	87·1	88·5	86·3
29·746	29·391	·355	85·7	83·3	86·6	87·4	85·6
29·818	29·385	·433	85·9	83·8	86·3	87·5	85·8
29·828	29·541	·287	84·3	82·6	84·7	85·7	84·0
29·968	29·589	·379	82·2	80·6	83·0	83·7	82·1
30·155	29·657	·498	77·5	75·1	78·4	79·8	77·2
30·183	29·855	·328	74·9	70·9	76·4	77·9	74·6
29·965	29·599	·366	82·5	80·1	83·3	84·6	82·3

TABLE

Meteorological Summary

Months.	Mean and Extreme Air Temperature in the Shade.						
	Mean of maximum.	Mean of minimum.	Mean daily range.	Highest maximum.	Lowest minimum.	Absolute range.	Mean.
	°	°	°	°	°	°	°
January ...	79·0	69·9	9·1	85·0	66·0	19·0	68·9
February ...	82·1	73·1	9·0	86·0	67·8	18·2	71·7
March ...	86·1	79·1	7·0	89·0	76·0	13·0	76·2
April ...	87·4	81·4	6·0	91·8	75·5	16·3	78·3
May ...	91·1	85·1	6·0	95·5	81·0	14·5	80·9
June ...	88·2	82·7	5·5	92·3	79·0	13·3	79·1
July ...	87·7	81·9	5·8	90·6	79·8	10·8	78·3
August ...	87·1	82·1	5·0	90·5	79·5	11·0	78·8
September ...	85·7	81·3	4·4	89·0	79·2	9·8	79·0
October ...	85·0	79·7	5·2	89·4	76·2	13·2	77·5
November ...	81·0	74·1	6·9	87·0	69·8	17·2	71·3
December ...	78·9	69·9	9·0	80·8	64·4	16·4	67·9
Mean of year ...	84·9	78·5	6·6	88·9	74·5	14·4	75·7

II.—(*Continued.*)

for the year 1894.—(Continued.)

Temperature of Evaporation.

4-hour.	10-hour.	16-hour.	22-hour.	Minimum.	Difference, Dry and Wet Bulb.				
					Mean.	4-hour.	10-hour.	16-hour.	22-hour.
°	°	°	°	°	°	°	°	°	°
66·3	69·0	70·7	69·4	62·9	6·8	5·8	7·1	8·3	6·0
68·9	71·7	73·6	72·5	66·5	7·3	6·8	7·8	8·6	6·3
74·8	76·0	77·1	76·7	72·0	7·8	7·1	8·6	8·9	6·9
76·7	78·1	79·0	78·1	73·2	7·2	7·0	8·4	7·8	6·9
79·7	81·0	81·7	81·3	75·6	8·2	7·2	9·1	8·9	7·5
77·7	79·4	80·3	79·1	73·5	7·6	7·0	7·7	8·2	7·2
76·6	78·7	79·0	78·8	73·6	7·4	6·7	7·9	8·4	6·8
77·6	79·0	79·7	79·2	74·3	7·1	6·2	7·3	7·8	6·6
77·9	79·1	79·6	79·1	74·0	5·3	4·7	5·6	6·1	4·9
76·2	77·8	78·3	77·5	72·2	4·7	4·4	5·2	5·4	4·6
70·1	71·0	72·3	71·7	69·2	6·2	5·0	7·4	7·5	5·5
65·9	68·0	69·0	68·8	66·3	7·0	5·0	8·4	8·9	5·8
74·0	75·7	76·7	76·0	71·1	6·9	6·1	7·5	7·8	6·3

TABLE

Meteorological Summary

HYGROMETRICAL

MONTHS.	RELATIVE HUMIDITY.					Mean elastic force of aqueous vapour.
	Mean.	4-hour.	10-hour.	16-hour.	22-hour.	
						"
January ...	·69	·73	·68	·65	·73	.628
February ...	·69	·70	·67	·65	·73	·692
March ...	·69	·71	·66	·65	·72	·763
April ...	·70	·72	·67	·70	·73	·827
May ...	·69	·72	·66	·67	·71	·910
June ...	·71	·72	·70	·68	·72	·854
July ...	·71	·73	·69	·68	·73	·827
August ...	·72	·75	·72	·70	·73	·868
September ...	·78	·80	·77	·75	·80	·896
October ...	·81	·81	·78	·78	·81	·882
November ...	·73	·77	·68	·68	·76	·670
December ...	·68	·76	·63	·62	·73	·607
Mean of year...	·72	·74	·69	·68	·74	·785

II.—(*Continued.*)

for the year 1894.—(Continued.)

RESULTS.

Mean weight of vapour in a cubic foot of air.	Mean additional weight required for saturation.	Mean weight of a cubic foot of air.	DEW-POINT.				
			Mean.	4-hour.	10-hour.	16-hour.	22-hour.
Grs.	Grs.	Grs.	°	°	°	°	°
6·8	2·8	511·9	64	62	65	66	66
7·5	3·0	508·6	67	65	67	68	69
8·2	4·4	502·5	71	71	71	72	73
8·8	4·1	501·2	74	73	73	74	74
9·7	4·4	497·9	76	75	76	76	77
9·1	4·2	500·1	75	74	75	75	75
8·8	4·1	501·2	74	73	74	74	75
9·3	3·7	500·9	75	74	74	75	75
9·6	2·6	502·6	76	75	76	76	76
9·5	2·0	504·6	75	74	75	75	75
7·3	2·9	509·7	68	67	67	68	68
6·6	2·7	512·9	64	62	63	64	65
8·4	3·4	504·5	72	70	71	72	72

TABLE

Meteorological Summary

TEMPERATURE OF SOLAR RADIATION.

MONTHS.	Mean.	Maximum.	Minimum.	Difference, Sun and Shade.		
				Mean.	Maximum.	Minimum.
	°	°	°	°	°	°
January ...	104·8	115·8	101·0	25·7	35·3	16·0
February ...	105·5	110·5	100·0	23·5	30·2	19·0
March ...	105·0	110·5	100·0	18·9	23·3	12·5
April ...	107·8	118·0	100·0	20·1	30·2	14·2
May ...	114·3	124·6	107·5	23·2	31·7	18·3
June ...	109·2	121·0	93·0	20·6	31·7	6·2
July ...	109·6	121·8	94·0	21·4	31·2	9·7
August ...	111·0	122·0	93·5	23·5	34·7	7·7
September ...	109·0	124·8	91·0	22·7	39·6	5·0
October ...	112·0	122·0	102·8	26·1	36·2	17·8
November ...	106·7	116·0	94·0	25·8	33·0	11·0
December ...	101·6	108·4	98·8	22·8	30·1	19·8
Mean of year ...	108·0	118·0	98·0	22·9	32·3	13·1

II.—*(Continued.)*

for the year 1894.—(Continued.)

Temperature of Nocturnal Radiation.							
	Maximum.		Minimum.		Difference, Shade and Radiation.		
Mean.	Day.		Day.		Mean.	Maximum.	Minimum.
°		°		°	°	°	°
55·9	5th	64·0	17th	51·0	14·0	16·3	9·7
58·7	26th	65·5	8th	53·0	14·3	17·0	10·8
68·3	6th	72·5	23rd	61·8	10·8	16·0	7·5
73·8	29th	78·8	19th	64·8	7·2	11·5	4·8
78·9	12th	83·0	4th	72·3	6·2	10·0	2·3
76·1	2nd	82·5	10th	67·5	6·6	15·3	2·3
74·9	22nd	78·0	16th	69·5	7·0	11·5	4·5
74·9	11th	78·4	4th	71·5	7·3	10 3	4·0
74·2	6th	78·0	23rd	71·0	7·1	9 7	3·8
71·7	13th	75·6	5th	65·0	8·0	16·0	5·0
64·1	2nd	73·0	11th	57·7	10·1	15·1	4·8
58·2	15th	67·8	30th	49·7	11·4	14·7	6·2
69·1	.....	74·8	.....	62·9	9·2	13·6	5·5

TABLE

Meteorological Summary

Months.	Serenity. (Clear Sky = 10).					Ozone. (Tints 1—10).				
							Maximum.		Minimum.	
	Mean.	4-hour.	10-hour.	16-hour.	22-hour.	Mean.	Day.	Tints.	Day.	Tints.
January ...	8·7	8·6	8·6	8·5	9·2	0·5	5th	1·0	1st	0·5
February ...	8·8	9	8·6	8·6	9	0·6	1st	1·0	2nd	0·5
March ...	8·4	8·1	8·9	8·5	8·4	0·8	8th	1·0	5th	0·5
April ...	5·7	5·6	6·4	5·5	5·2	0·8	7th	1·5	1st	0·5
May ...	5	4·3	5·2	5·7	4·8	0·8	2nd	1·5	1st	0·5
June ...	2·3	1·9	2·2	1·9	3·3	0·8	16th	1·5	1st	0·5
July ...	1·6	1·6	1·9	0·8	2·2	0·7	19th	1·5	1st	0·5
August ...	2·4	2·1	2·6	2·4	3	0·8	21st	1·5	2nd	0·5
September ...	2·9	3	2	2·1	4·3	0·8	9th	1·5	1st	0·5
October ...	3·2	3·3	3·2	2·4	3·9	0·7	2nd	1·0	3rd	0·5
November ...	7·2	7·6	6·7	6·8	8·1	0·9	29th	2·0	3rd	0·5
December ...	8·4	8·5	8·5	8·4	8·3	0·7	1st	1·0	2nd	0·5
Mean of year ...	5·4	4·9	5·4	5·1	5·8	0·7	...	1·3	...	0·5

II.—*(Concluded.)*

for the year 1894.—(Concluded.)

Direction and Mean Movement of Winds.					Inches of Rainfall and Number of Rainy Days.	
Prevailing direction.	Mean daily motion in miles.	Maximum.	Minimum.	Total miles in month.	Rainfall.	Rainy days.
N. E.	15·72	33·50	5·30	487·23	.....	.....
W.	21·28	69·60	6·36	595·97	.....	.....
W.	29·43	60·20	9·17	912·39	.....	.....
W.	32·97	79·59	7·28	989·00	1·38	4
S.	41·31	63·24	9·55	1280·65	·06	1
W.	41·52	104·30	5·11	1245·45	3·56	10
W.	30·39	67·23	3·90	942·09	2·31	11
W.	16·19	40·94	1·54	501·92	2·69	11
W.	21·33	112·60	2·39	639·83	8·85	18
W.	48·34	116·05	12·80	1498·55	21·39	15
N. E.	59·08	105·40	20·80	1772·43	3·16	5
N. E.	52·90	92·54	29·88	1639·92	.....	.....
W.	34·21	79·27	9·51	1042·12	3·62	6·25

TABLE III.

Normal Daily Mean Pressure at Vizagapatam.

Dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1st	29·994	29·976	29·907	29·831	29·734	29·616	29·589	29·604	29·662	29·768	29·862	29·972
2nd	30·003	29·981	29·908	29·835	29·729	29·615	29·601	29·597	29·670	29·772	29·860	29·975
3rd	30·008	29·980	29·907	29·832	29·731	29·612	29·611	29·600	29·687	29·776	29·869	29 979
4th	30·008	29·971	29·906	29·821	29·730	29·610	29·614	29·604	29·697	29·780	29·876	29·986
5th	30·013	29·961	29·917	29·818	29·736	29·606	29·618	29·591	29·698	29·779	29·883	29·972
6th	30·015	29·962	29·925	29·824	29·734	29·606	29·612	29·596	29·687	29·787	29·903	29·978
7th	30·017	29·958	29·919	29·814	29·729	29·604	29·617	29 623	29·686	29·784	29·909	29·985
8th	30·011	29·968	29·914	29·803	29·720	29·604	29·618	29·639	29·678	29·781	29·912	29·992
9th	30·004	29·966	29·917	29·802	29·714	29·605	29·606	29·638	29·668	29·793	29·927	29·987
10th	29 999	29·963	29·908	29·802	29·706	29·597	29·584	29·634	29·665	29·801	29·932	29·983
11th	30·005	29·963	29·906	29·791	29·702	29·584	29·573	29·631	29·668	29·803	29·936	29·983

12th	29·997	29·964	29·904	29·783	29·703	29·580	29·570	29·644	29·668	29·797	29·945	29·992
13th	29·986	29·966	29·897	29·786	29·705	29·579	29·578	29·646	29·681	29·794	29·948	29·989
14th	29·991	29·959	29·886	29·786	29·714	29·579	29·585	29·639	29·682	29·800	29·952	29·999
15th	29·996	29·952	29·866	29·780	29·708	29·560	29·587	29·632	29·678	29·816	29·955	30·008
16th	29·990	29·949	29·862	29·786	29·698	29·558	29·583	29·627	29·681	29·829	29·958	30·017
17th	29·989	29·944	29·873	29·788	29·687	29·570	29·577	29·622	29·676	29·841	29·956	30·018
18th	30·003	29·952	29·879	29·790	29·678	29·576	29·570	29·618	29·671	29·846	29·938	30·025
19th	30·005	29·943	29·869	29·794	29·666	29·578	29·566	29·622	29·673	29·851	29·925	30·024
20th	29·996	29·965	29·863	29·791	29·695	29·588	29·569	29·637	29·675	29·856	29·931	30·018
21st	29·983	29·958	29·860	29·782	29·693	29·595	29 580	29·651	29·678	29·857	29·945	30·008
22nd	29·991	29·949	29·858	29·766	29·659	29·597	29·577	29·646	29·693	29·851	29·951	30·009
23rd	29·990	29·933	29·853	29·766	29·661	29·595	29·571	29·646	29·697	29·847	29·943	30·014
24th	29·986	29·931	29·842	29·771	29·647	29·591	29·578	29·647	29·708	29·838	29·959	30·020
25th	29·984	29·938	29·833	29·767	29·642	29·596	29·591	29·644	29·718	29·839	29·969	30·018
26th	29·977	29·939	29·837	29·787	29·638	29·591	29·599	29·651	29·734	29·842	29·976	30·020
27th	29·981	29·925	29·846	29·757	29·643	29·586	29·603	29·653	29·738	29·855	29·978	30·018

TABLE III.—*(Concluded.)*

Normal Daily Mean Pressure at Vizagapatam.—(Concluded.)

Dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
28th	29·983	29·911	29·846	29·746	29·640	29·595	29·608	29·658	29·749	29·867	29·973	30·016
29th	29·982	.....	29·832	29·738	29·621	29·611	29·615	29·663	29·759	29·865	29·974	30·009
30th	29·983	.....	29·837	29·731	29·615	29·607	29·615	29·661	29·765	29·862	29·973	30·001
31st	29·983	.....	29·829	.....	29·614	.....	29·606	29·659	.....	29·858	.....	30·000
Mean	29·996	29·954	29·878	29·789	29·687	29·616	29·593	29·634	29·693	29·820	29·934	30·001
Mean of 1st 10 days	30·007	29·969	29·913	29·818	29·726	29·608	29·607	29·613	29·680	29·782	29·893	28·981
Mean of 2nd 10 days	29·996	29·956	29·881	29·788	29·696	29·575	29·576	29·632	29·675	29·823	29·944	30·007
Mean of remaining days ...	29·984	29·935	29·843	29·761	29·643	29·596	29·595	29·653	29·724	29·853	29·964	30·013

TABLE IV.

Mean readings of the Barometer and Thermometer at 4 A. M., *from* 1870 *to* 1894.

The readings of the Barometer have been reduced to 32° F.

Years.	January.		February.		March.		April.	
	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
	"	°	"	°	"	°	"	°
1870	29·858	75·8	29·868	74·8	29·823	79·4	29·729	83·6
1871	29·900	72·9	29·853	76·5	29·818	81·0	29·742	83·8
1872	29·941	73·9	29·882	77·3	29·805	82·0	29·739	85·1
1873	29·896	73·0	29·881	76·3	29·829	80·7	29·708	84·2
1874	29·966	72·4	29·886	76·6	29·800	80·2	29·755	83·2
1875	29·889	72·0	29·901	73·2	29·794	79·8	29·690	83·7
1876	29·908	70·9	29·865	75·5	29·788	81·5	29·689	84·2
1877	29·995	72·9	39·930	76·7	29·853	80·2	29·800	83·5
1878	29·948	76·0	29·916	79·8	29·867	82·7	29·778	84·7
1879	29·925	72·4	29·877	75·2	29·795	82·6	29·701	85·1
1880	29·881	72·5	29·868	76·4	29·810	80·1	29·714	84·7
1881	29·972	70·9	29·934	73·7	29·843	80·7	29·734	84·3
1882	29·960	73·8	29·868	76·8	29·824	84·8	29·714	84·2
1883	29·943	72·5	29·871	76·5	29·809	81·4	29·706	84·0
1884	29·973	71·2	29·900	75·5	29·798	80·6	29·748	83·3
1885	29·987	73·5	29·866	77·0	29·856	79·7	29·736	84·5
1886	29·939	71·2	29·895	75·5	29·818	81·3	29·731	83·8
1887	29·863	72·2	29·886	75·3	29·763	81·3	29·748	83·4
1888	29·960	72·9	29·892	77·3	29·812	81·1	29·691	84·5
1889	29·966	71·3	29·929	76·4	29·873	80·7	29·755	85·1
1890	29·884	71·1	29·902	74·6	29·765	81·7	29·724	84·6
1891	29·944	71·3	29·909	75·9	29·828	81·0	29·761	85·0
1892	29·980	71·9	29·865	76·4	29·734	82·4	29·660	85·4
1893	29·902	70·7	29·901	75·8	29·857	79·0	29·704	83·4
1894	29·919	72·1	29·909	75·7	29·792	81·9	29·724	83·7
Mean for 25 years	29·932	72·5	29·890	76·0	29·814	81·1	29·727	84·2

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	May.		June.		July.		August.	
	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
	"	°	"	°	"	°	"	°
1870	29·586	87·2	29·584	85·6	29·514	83·1	29·588	84·2
1871	29·644	85·7	29·514	85·5	29·535	83·9	29·606	84·9
1872	29·614	88·0	29·562	85·9	29·546	82·4	29·557	83·1
1873	29·678	86·2	29·516	88·0	29·527	82·6	29·6 6	83·8
1874	29·607	84·9	29·565	83·8	29·551	83·3	29·582	83·5
1875	29·656	84·4	29·545	84·9	29·523	83·0	29·590	83·3
1876	29·616	86·6	29·567	85·9	29·524	83·7	29·583	83·6
1877	29·676	85·5	29·590	86·6	29·596	86·5	29·595	85·0
1878	29·690	86·5	29·546	88·3	29·568	84·1	29·592	83·1
1879	29·593	85·0	29·598	85·3	29·579	83·7	29·500	83·3
1880	29·614	85·6	29·501	85·7	29·548	82·8	29·590	83·5
1881	29·634	85·9	29·518	85·7	29·570	84·0	29·577	84·1
1882	29·645	85·7	29·587	86·7	29·491	83·6	29·594	84·3
1883	29·604	86·6	29·530	85·5	29·529	83·4	29·568	84·5
1884	29·622	86·0	29·559	85·9	29·528	84·0	29·556	84·1
1885	29·724	85·7	29·547	85·7	29·554	83·9	29·582	84·3
1886	29·650	85·6	29·525	85·1	29·527	83·7	29·570	83·4
1887	29·572	87·2	29·543	85·1	29·528	82·5	29·587	84·0
1888	29·635	86·7	29·521	87·8	29 551	84·2	29·584	84·6
1889	29·669	87·1	29·543	87·1	29·519	83·6	29·540	83·7
1890	29·590	87·2	29·536	84·9	29 558	82·6	29·587	83·5
1891	29·648	86·3	29·510	87·4	29·513	83·1	29·575	84·0
1892	29·597	88·2	29·562	85·4	29·529	84·0	29·582	83·5
1893	29·605	85·9	23·588	85·0	29·576	84·7	29·586	83·5
1894	29·619	86·9	29·520	84·7	29·530	83·8	29·555	83·8
Mean for 25 years	29·632	86·3	29·547	85·9	29·541	83·6	29·577	83·9

IV.—(*Concluded.*)

meter at 4 A. M., *from* 1870 *to* 1894.—(*Concluded.*)

have been reduced to 32° F.

Years.	September.		October.		November.		December.	
	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°	″	°	″	°
1870	29·627	83·0	29·735	81·4	29·844	77·9	29·956	70·6
1871	29·617	84·2	29·750	83·7	29·883	80·0	29·947	76·0
1872	29·657	82·9	29·716	80·9	29·856	77·9	29·900	74·4
1873	29·644	83·4	29·743	79·6	29·919	75·2	29·931	72·9
1874	29·644	83·6	29·707	81·5	29 882	76·7	29·963	69·5
1875	29·624	81·7	29·752	80·6	29·919	75·3	29·940	61·7
1876	29·642	82·3	29·762	79·9	29·865	75·0	29·977	69·6
1877	29·715	83·7	29·842	83·4	29·906	78·2	29·929	76·8
1878	29·616	84·6	29·692	82·4	29·779	79·1	29·845	75·4
1879	29·595	83·2	29·748	82·2	29·847	77·8	29·891	70·9
1880	29·634	83·2	29·774	82·3	29·900	77·6	29·968	72·0
1881	29·639	84·1	29·743	81·6	29·839	78·5	29·926	72·6
1882	29·614	83·0	29·690	82·1	29·844	78·3	29·908	71·5
1883	29·639	83·2	29·808	82·1	29·845	74·2	29·958	71·0
1884	29·615	82·7	29·795	80·9	29·872	75·9	29·965	73·3
1885	29·687	84·5	29·801	81·7	29·875	77·7	29·918	75·0
1886	29·630	84·5	29·721	81·6	29·843	78·2	29·928	72·2
1887	29·639	84·0	29·792	81·7	29·870	76·8	29·925	72·7
1888 ...	29·686	85·3	29·827	82·5	29·881	77·6	29·964	72·3
1889	29·650	83·7	29·711	81·9	29·861	76·4	29·905	70·8
1890	29·602	83·6	29·765	81·9	29·916	75·9	29·929	75·4
1891	29·619	84·6	29·815	82·7	29·846	80·4	29·953	76·6
1892	29·622	82·4	29·753	81·4	29·840	74·3	29·982	70·3
1893	29·594	82·3	29·759	82·4	29·910	77·8	29·971	72·4
1894	29·610	82·6	29·723	80·6	29·916	75·1	29·951	70·9
Mean for 25 years	29·634	83·5	29·757	81·7	29·870	77·1	29·937	72·7

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	January.		February.	
	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°
1870	29·967	78·7	29·972	78·7
1871	30·009	76·4	29·963	79·9
1872	30·040	77·7	29·984	80·6
1873	30·022	76·0	29·985	80·0
1874	30·072	75·9	29·998	80·0
1875	29·990	75·2	29·997	77·7
1876	30·018	76·0	29·978	79·1
1877	30·102	76·2	30·036	79·1
1878	30·057	79·1	30·028	83·3
1879	30·030	75·9	29·988	79·1
1880	29·995	75·5	29·979	79·3
1881	30·080	75·4	30·046	78·1
1882	30·075	76·8	29·990	80·4
1883	30·041	75·8	29·989	80·1
1884	30·076	74·2	30·016	78·8
1885	30·090	76·9	29·973	80·1
1886	30·038	74·8	29·999	79·2
1887	29·967	76·6	29·997	79·1
1888	30·056	76·5	30·002	81·2
1889	30·076	76·0	30·045	80·5
1890	29·993	75·4	29·995	78·5
1891	30·041	76·6	30·021	80·3
1892	30·062	76·7	29·975	80·5
1893	30·013	75·3	30·010	79·6
1894	30·033	76·1	30·022	79·5
Mean	30·038	76·2	30·000	79·7

V.

meter at 10 A. M., *from* 1870 *to* 1894.
have been reduced to 32° F.

MARCH.		APRIL.		MAY.		JUNE.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	″	°	″	°	″	°
29·905	82·9	29·812	87·2	29·654	90·7	29·649	87·6
29·914	84·2	29·832	87·6	29·716	88·6	29·580	88·0
29·898	84·3	29·823	88·0	29·692	90·6	29·617	87·1
29·921	84·6	29·801	87·4	29·754	89·9	29·570	90·4
29·908	83·4	29·846	87·3	29·678	88·9	29·630	86·6
29·901	83·3	29·781	87·5	29·733	88·4	29·603	87·7
29·886	84·9	29·780	88·5	29·694	89·8	29·638	88·8
29·958	84·1	29·902	86·7	29·757	88·8	29·645	89·7
29·967	85·7	29·878	87·9	29·773	90·4	29·609	91·0
29·898	86·0	29·795	88·1	29·679	87·9	29·613	87·2
29·923	83·2	29·814	87·7	29·702	88·6	29·573	87·2
29·960	83·9	29·831	88·3	29·717	88·7	29·596	87·1
29·936	81·0	29·821	87·7	29·739	89·1	29·514	89·5
29·919	84·9	29·807	87·8	29·685	90·4	29·597	88·3
29·895	84·0	29·835	87·1	29·698	89·1	29·624	87·9
29·952	82·9	29·833	87·9	29·836	89·7	29·600	87·5
29·919	84·4	29·830	87·3	29·737	87·8	29·593	86·9
29·873	83·9	29·840	86·6	29·646	90·1	29·600	87·5
29·888	85·1	29·794	89·2	29·720	89·5	29·583	90·7
29·988	84·8	29·851	89·2	29·778	90·7	29·617	89·1
29·876	84·9	29·823	87·8	29·680	90·4	29·607	86·9
29·934	84·3	29·856	89·4	29·735	89·8	29·592	90·4
29·866	85·6	29·785	89·7	29·695	91·5	29·639	88·3
29·959	82·1	29·822	86·6	29·697	88·4	29·657	87·1
29·905	84·6	29·827	86·5	29·703	90·1	29·609	87·1
29·918	84·1	29·825	87·8	29·716	89·5	29·606	88·2

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	July.		August.	
	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°
1870	29·580	85·0	29·643	86·4
1871	29·600	85·1	29·674	87·1
1872	29·608	83·5	29·621	84·4
1873	29·590	83·9	29·681	85·5
1874	29·613	85·6	29·651	86·0
1875	29·586	85·8	29·663	85·7
1876	29·583	86·1	29·657	85·7
1877	29·649	88·9	29·647	87·5
1878	29·637	86·2	29·666	84·3
1879	29·647	85·5	29·625	85·0
1880	29·632	84·5	29·669	84·9
1881	29·630	85·4	29·660	85·4
1882	29·561	84·8	29·665	86·2
1883	29·587	86·1	29·642	86·5
1884	29·586	85·9	29·628	85·6
1885	29·610	85·6	29·642	86·3
1886	29·601	85·1	29·638	85·0
1887	29·587	84·2	29·661	85·9
1888	29·626	86·1	29·661	87·0
1889	29·601	85·2	29·624	85·2
1890	29·616	83·5	29·673	85·6
1891	29·587	84·5	29·651	86·0
1892	29·590	87·2	29·679	84·9
1893	29·645	86·8	29·670	87·3
1894	29·626	86·6	29·650	86·3
Mean	29·608	85·5	29·654	85·8

V.—*(Concluded.)*

meter at 10 A. M., *from* 1870 *to* 1894.—(*Concluded.*)

have been reduced to 32° F.

SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	′	°	″	°	″	°
29·707	84·8	29·826	83·0	29·961	80·9	30·051	75·2
29·693	86·0	29·828	86·7	29·967	83·1	30·040	79·8
29·731	83·9	29·800	82·0	29·943	80·2	29·992	76·7
29·723	85·4	29·843	81·5	30·015	78·2	30·027	75·7
29·722	85·8	29·797	83·6	29·976	79·3	30·065	73·6
29·714	84·0	29·844	83·3	30·013	79·3	30·042	76·2
29·737	84·2	29·860	82·7	29·964	78·8	30·084	74·6
29·791	85·5	29·933	85·6	30·004	81·4	30·027	79·9
29·691	86·0	29·788	84·3	29·873	80·8	29·927	76·8
29·683	86·2	29·843	84·3	29·951	79·4	29·985	74·2
29·722	84·8	29·878	84·3	30·004	79·2	30·074	75·5
29·731	86·0	29·823	84·9	29·933	80·5	30·027	75·3
29·694	84·9	29·784	84·3	29·951	79·6	30·009	75·3
29·722	85·0	29·892	84·3	29·935	77·5	30·060	72·9
29·700	84·3	29·890	83·2	29·975	78·5	30·067	75·6
29·765	86·1	29·885	83·5	29·972	79·8	30·010	76·8
29·710	86·6	29·822	83·1	29·935	80·3	30·034	75·3
29·710	86·0	29·881	83·7	29·975	79·5	30·028	75·9
29·776	87·4	29·920	85·9	29·989	79·7	30·067	75·7
29·742	85·7	29·811	83·2	29·889	79·8	30·000	74·9
29·690	85·2	29·851	83·9	30·011	78·6	30·030	79·1
29·714	86·5	29·918	84·9	29·936	82·6	30·047	78·9
29·694	84·6	29·887	83·7	29·964	77·7	30·079	75·3
29·700	83·6	29·856	84·0	30·006	79·6	30·007	75·6
29·714	84·7	29·846	83·0	30·014	78·4	30·052	76·4
29·719	85·3	29·852	83·9	29·966	79·7	30·033	76·0

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	January.		February.	
	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°
1870	29·860	82·0	29·864	81·4
1871	29·892	79·1	29·825	82·5
1872	29·917	80·2	29·852	82·7
1873	29·872	78·8	29·856	81·8
1874	29·949	78·2	29·870	81·8
1875	29·879	77·4	29·876	79·3
1876	29·886	78·3	29·847	81·7
1877	29·981	77·5	29·909	80·1
1878	29·938	80·7	29·895	84·9
1879	29·905	78·3	29·859	81·9
1880	29·865	78·1	29·853	81·2
1881	29·960	78·0	29·908	81·9
1882	29·946	79·4	29·850	82·1
1883	29·917	78·0	29·850	82·2
1884	29·951	76·6	29·875	80·3
1885	29·968	79·2	29·846	81·1
1886	29·911	77·0	29·863	81·5
1887	29·834	79·2	29·863	81·7
1888	29·933	78·7	29·868	83·1
1889	29·956	79·4	29·910	82·6
1890	29·858	78·7	29·867	81·4
1891	29·922	79·0	29·896	82·0
1892	29·931	76·7	29·836	82·3
1893	29·898	77·3	29·894	81·4
1894	29·907	79·0	29·897	82·2
Mean	29·913	78·6	29·869	81·8

VI.

meter at 4 P.M., *from* 1870 *to* 1894.
have been reduced to 32° F.

MARCH.		APRIL.		MAY.		JUNE.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	″	°	″	°	″	°
29·788	84·7	29·704	87·3	29·544	91·1	29·552	87·9
29·796	86·7	29·715	87·6	29·601	89·3	29·486	88·9
29·774	86·1	29·703	88·8	29·584	90·9	29·522	87·5
29·797	84·6	29·683	87·7	29·641	89·3	29·475	92·0
29·780	84·2	29·736	87·2	29·576	88·1	29·532	87·5
29·774	84·7	29·655	88·1	29·618	88·2	29·515	88·9
29·759	85·6	29·655	88·1	29·583	89·8	29·540	89·6
29·839	84·1	29·778	86·9	29·659	88·9	29·546	90·7
29·839	86·1	29·753	87·8	29·662	89·2	29·517	91·1
29·770	87·0	29·665	88·8	29·574	87·8	29·523	88·7
29·792	84·4	29·686	87·5	29·578	88·8	29·477	88·6
29·825	85·2	29·709	88·1	29·601	88·4	29·499	88·3
29·797	86·8	29·689	87·8	29·614	89·1	29·483	90·3
29·789	85·1	29·682	87·3	29·567	89·9	29·498	89·1
29·769	84·9	29·718	87·1	29·586	88·9	29·525	88·7
29·827	84·1	29·713	88·0	29·693	88·9	29 509	88·9
29·789	84·9	29·700	87·4	29·613	87·9	29·494	87·6
29·748	84·4	29·705	86·9	29·524	90·6	29·504	87·9
29·790	85·6	29·669	88·0	29·606	89·8	29 482	91·6
29·854	85·9	29·729	88·9	29·651	90·2	29·518	89·7
29·754	85·9	29·693	87·6	29·550	90·2	29·507	87·8
29·805	85·0	29·740	89·0	29·624	89·3	29·493	91·7
29·696	86·7	29·657	88·5	29·564	91·9	29·547	89·0
29·837	83·8	29·692	87·4	29·585	88·9	29·562	88·2
29·780	86·0	29·697	86·8	29·592	90·6	29·499	88·5
29·791	85·3	29·701	87·8	29·600	89·4	29·512	89·1

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	July.		August.	
	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°
1870	29·490	86·8	29·541	87·6
1871	29·504	86·9	29·574	88·1
1872	29·519	85·0	29·520	85·5
1873	29·596	85·6	29·573	86·3
1874	29·516	86·9	29·552	87·1
1875	29·494	87·4	29·551	87·2
1876	29·490	88·2	29·555	86·2
1877	29·558	88·9	29·547	88·7
1878	29·539	86·8	29·562	85·6
1879	29·553	86·6	29·526	86·7
1880	29·510	86·7	29·562	86·4
1881	29·539	87·4	29·545	87·4
1882	29·469	86·8	29·564	86·7
1883	29·497	87·4	29·538	87·1
1884	29·486	88·0	29·519	86·6
1885	29·513	87·3	29·535	87·5
1886	29·500	86·7	29·533	86·3
1887	29·490	86·1	29·555	86·6
1888	29·523	87·5	29·549	88·2
1889	29·508	86·1	29·518	86·7
1890	29·532	85·5	29·570	86·5
1891	29·498	87·4	29·539	87·3
1892	29·475	88·1	29·575	86·4
1893	29·552	86·9	29·563	88·7
1894	29·528	87·4	29·542	87·5
Mean	29·515	87·0	29·548	87·0

VI.—*(Concluded.)*
meter at 4 P. M., *from* 1870 *to* 1894.—(*Concluded.*)
have been reduced to 32° F.

SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	″	°	″	°	″	°
29·606	85·8	29·720	84·0	29·856	82·5	29·939	77·8
29·583	87·2	29·728	88·2	29·861	84·1	29·927	81·4
29·619	84·9	29·705	82·8	29·835	81·2	29·878	78·3
29·615	86 0	29·734	82·3	29·906	79·4	29·913	77·1
29·612	86·3	29·685	84·5	29·875	80·2	29·948	75·4
29·604	85·0	29·742	84·2	29·902	80 6	29·923	77·8
29·625	85·5	29·757	83·7	29·854	80·2	29·960	76·3
29·684	86·4	29·813	86·3	29·886	82·9	29·907	81·5
29·579	87·2	29·676	85·4	29·760	82·0	29·822	78·1
29·578	87·3	29·730	85·3	29·842	80·4	29 871	76·0
29·610	85·9	29·760	85·1	29·895	80·0	29·951	77·9
29·620	87·0	29·715	87·0	29·824	82·0	29·909	77·3
29·492	86·0	29·671	85·6	29·828	80·6	29·890	77·5
29·601	86·5	29·776	85·1	29·819	79·2	29·946	74 7
29·581	85·2	29·779	84·2	29·861	79·9	29·944	77·3
29·652	86·7	29·768	84·5	29·862	81·3	29·896	78·2
29·595	87·3	29·701	83·8	29·816	81·5	29·908	77·3
29·598	87·6	29·772	84 4	29 861	80·7	29·913	77·7
29·661	88·2	29·807	86·7	29·869	81·1	29·942	77·7
29·621	86·6	29·693	84·3	29 777	81·3	29·887	77·1
29·577	86·4	29·739	85·0	29·898	79·9	29·918	80·4
29·592	87·2	29·796	85·9	29·823	83·9	29·928	80·1
29·598	85 6	29·742	84·6	29·856	79·1	29·969	76 4
29·588	85·0	29·740	85·3	29·907	80·1	29·954	77·4
29·602	85·7	29·733	83·7	29·909	79·8	29·938	77·9
29·608	86·3	29·739	84·9	29·855	81·0	29·919	77·8

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	January.		February.	
	Barometer.	Thermometer.	Barometer.	Thermometer.
	″	°	″	°
1870	29·902	78·3	29·920	77·3
1871	29·968	75·3	29·904	78·6
1872	29·998	76·4	29·936	79·5
1873	29·955	75·1	29·934	78·8
1874	30·024	74·8	29·949	78·7
1875	29·934	74·5	29·950	76·0
1876	29·966	74·2	29·928	78·1
1877	30·050	75·1	29·988	78·0
1878	30·011	78·0	29·969	81·8
1879	29·987	74·3	29·944	77·5
1880	29·945	74·5	29·928	78·3
1881	30·034	73·6	29·999	76·9
1882	30·019	75·6	29·936	78·7
1883	29·996	74·7	29·940	78·2
1884	30·041	72·8	29·971	77·4
1885	30·050	75·2	29·927	78·8
1886	29·997	74·0	29·963	77·7
1887	29·918	75·6	29·947	77·9
1888	30·014	75·3	29·958	79·7
1889	30·028	74·0	29·992	78·7
1890	29·944	73·8	29·965	77·0
1891	30·009	74·8	29·980	78·7
1892	30·015	75·1	29·890	79·3
1893	29·971	74·1	29·967	79·5
1894	29·991	75·4	29·977	78·8
Mean	29·991	75·0	29·950	78·4

VII.

meter at 10 P. M., *from* 1870 *to* 1894.
have been reduced to 32° F.

MARCH.		APRIL.		MAY.		JUNE.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	″	°	″	°	″	°
29·864	81·5	29·780	84·9	29·615	88·5	29·633	86·1
29·870	83·2	29·793	85·4	29·675	87·0	29·564	86·8
29·857	83·9	29·782	86·5	29·659	88·5	29·601	86·5
29·886	82·3	29·760	85·6	29·723	87·3	29·560	89·7
29·849	81·8	29·811	84·7	29·660	85·7	29·620	85·2
29·852	81·6	29·737	85·3	29·696	85·6	29·588	86·5
29·838	83·1	29·734	85·6	29·652	87·7	29·614	87·3
29·909	81·8	29·847	84·8	29·730	86·7	29·636	87·8
29·918	83·9	29·831	85·9	29·735	87·4	29·594	88·7
29·852	84·4	29·746	86·4	29·655	86·0	29·597	86·6
29·865	82·0	29·774	85·7	29·670	86·7	29·564	86·6
29·912	82·8	29·795	85·7	29·688	87·0	29·585	86·4
29·880	83·1	29·770	85·6	29·698	86·9	29·572	87·8
29·870	82·8	29·767	85·3	29·652	87·8	29·579	86·8
29·862	82·1	29·812	84·5	29·673	87·2	29·607	87·0
29·920	81·4	29·803	85·9	29·773	87·0	29·596	86·8
29·883	82·8	29·793	85·1	29·702	86·4	29·581	86·0
29·835	82·6	29·801	84·9	29·617	88·6	29·589	85·9
29·880	83·1	29·759	85·9	29·684	87·7	29·574	89·1
29·932	83·2	29·807	86·7	29·740	88·0	29·611	88·1
29·826	83·6	29·787	85·8	29·636	88·6	29·593	85·6
29·887	82·9	29·832	86·3	29·710	87·4	29·586	89·0
29·805	84·1	29·763	86·8	29·663	89 6	29·631	87·1
29·916	81·9	29·780	85·7	29·669	86·9	29·645	86·2
29·866	83·6	29·790	85·0	29·683	88·8	29·597	86·3
29·873	82·8	29·786	85·6	29·682	87·4	29·597	87·0

TABLE

Mean readings of the Barometer and Thermo

The readings of the Barometer

Years.	July.		August.	
	Barometer.	Thermometer.	Barometer	Thermometer.
	″	°	″	°
1870	29·570	84·2	29·630	85·3
1871	29·579	85·0	29·648	85·9
1872	29·602	83·6	29·606	84·0
1873	29·578	83·9	29·656	84·9
1874	29·604	84·7	29·636	84·7
1875	29·578	84·7	29·637	84·9
1876	29·578	85·5	29·635	84·8
1877	29·646	87·5	29·638	86·3
1878	29·620	84·9	29·648	83·9
1879	29·625	84·8	29·610	84·3
1880	29·603	84·2	29·664	84·4
1881	29·619	85·1	29·629	84·9
1882	29·551	84·7	29·656	85·1
1883	29·578	85·2	29·627	85·3
1884	29·576	85·3	29 616	85·2
1885	29·610	85·2	29·637	85·5
1886	29·587	84·7	29·629	84·4
1887	29·582	83·6	29·644	84·8
1888	29·608	85·5	29·644	85·7
1889	29·589	84·6	29·610	84·6
1890	29·616	83·6	29·651	84·5
1891	29·583	84·5	29·636	85·1
1892	29·594	85·7	29·662	84·9
1893	29·636	85·4	29·652	84·5
1894	29·620	85·6	29·638	85·8
Mean	29·597	84·9	29·638	84·9

VII.—(*Concluded.*)
meter at 10 P.M., *from* 1876 *to* 1894.—(*Concluded.*)
have been reduced to 32° F.

September.		October.		November.		December.	
Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.	Barometer.	Thermometer.
″	°	″	°	″	°	″	°
29·690	83·9	29·793	82·1	29·922	79·3	30·006	73·4
29·670	85·1	29·803	85·3	29·931	81·8	30·007	78·6
29·707	84·0	29·782	81·8	29·901	79·8	29·950	76·0
29·697	84·5	29·803	80·7	29·982	77·5	29·984	74·9
29·693	84·7	29·763	82·8	29·943	78·3	30·021	72·0
29·691	83·0	29·811	82·0	29·975	78·1	29·997	74·4
29·704	83·5	29·822	81·7	29·933	77·5	30·039	72·9
29·781	84·7	29·902	84·3	29·967	79·9	29·986	78 6
29·673	85·4	29·753	83·1	29·838	80·0	29·894	76·1
29·663	84·9	29·803	83·3	29·913	78·4	29·947	73·1
29·702	84·0	29·849	83·0	29·971	78·6	30·032	74·0
29·710	84·8	29·797	83·4	29·899	80·0	29·990	74·7
29·671	84·1	29·756	83·2	29·908	79·4	29·972	73·0
29·703	84·5	29·870	83·0	29·908	76·0	30·027	72·6
29·678	83·7	29·862	82·3	29·944	77·5	30·029	75·2
29·753	85·3	29·860	82·6	29·951	79·0	29·981	76·2
29·698	85·4	29·783	82·4	29·903	79·2	29·994	73·6
29·701	85·0	29·853	82·8	29·944	78·5	29·994	75·3
29·756	86·2	29·893	84·1	29·957	78·9	30·024	74·5
29·716	84·9	29·785	82·4	29·872	77·5	29·966	73·0
29·671	84·5	29·788	82·8	29·979	77·3	30·003	77·0
29·692	85·4	29·882	83·9	29·916	82·1	30 013	78·4
29·689	83·8	29·831	83·1	29·908	76·1	30·053	73·9
29·672	83·1	29·824	83·3	29 980	78·9	30·042	74·4
29·695	84·0	29·812	82·1	29·991	77·2	30·018	74·6
29·699	84·5	29·819	82·9	29·933	78·7	29·999	74·8

TABLE

Monthly means of Pressure for

Years.	Jan.	Feb.	March.	April.	May.
	"	"	"	"	"
1870	29·957	29·962	29·905	29·815	29·659
1871	30·001	29·946	29·910	29·830	29·718
1872	30·034	29·973	29·892	29·821	29·695
1873	29·990	29·977	29·918	29·797	29·755
1874	30·063	29·984	29·893	29·846	29·688
1875	29·982	29·991	29·890	29·775	29·735
1876	30·004	29·965	29·878	29·774	29·695
1877	30·091	30·021	29·950	29·891	29·764
1878	30·049	30·022	29·958	29·869	29·774
1879	30·022	29·976	29·889	29·786	29·682
1880	29·984	29·966	29·905	29·806	29·699
1881	30·072	30·032	29·945	29·817	29·719
1882	30·060	29·970	29·919	29·808	29·735
1883	30·035	29·973	29·907	29·800	29·686
1884	30·070	30·001	29·891	29·837	29·704
1885	30·084	29·964	29·948	29·831	29·808
1886	30·031	29·990	29·912	29·823	29·735
1887	29·935	29·983	29·864	29·833	29·649
1888	30·051	29·990	29·910	29·788	29·721
1889	30·066	30·029	29·971	29·845	29·769
1890	29·980	29·994	29·864	29·816	29·673
1891	30·039	30·012	29·922	29·857	29·738
1892	30·050	29·939	29·836	29·778	29·689
1893	30·006	30·003	29·951	29·815	29·698
1894	30·023	30·011	29·895	29·818	29·708
Mean	30·027	29·987	29·909	29·819	29·716

VIII.

25 *years reduced to sea-level.*

June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Whole year.
"	"	"	"	"	"	"	"
29·664	29·598	29·659	29·715	29·828	29·956	30·048	29·814
29·595	29·614	29·685	29·700	29·836	29·971	30·039	29·821
29·635	29·628	29·635	29·738	29·812	29·943	29·991	29·817
29·589	29·607	29·687	29·728	29·841	30·015	30·024	29·828
29·646	29·629	29·665	29·727	29·800	29·979	30·060	29·813
29·622	29·604	29·670	29·717	29·848	30·013	30·036	39·824
29·649	29·603	29·677	29·737	29·861	29·964	30·075	29·823
29·663	29·671	29·666	29·803	29·932	30·001	30·023	29·873
29·628	29·650	29·675	29·699	29·788	29·972	29·929	29·826
29·629	29·660	29·637	29·689	29·842	29·948	29·983	29·813
29·588	29·627	29·681	29·726	29·876	30·003	30·066	29·828
29·609	29·649	29·658	29·734	29·829	29·935	30·022	29·837
29·599	29·577	29·679	29·703	29·785	29·939	30·005	29·815
29·610	29·607	29·653	29·726	29·897	29·937	30·058	29·824
29·638	29·603	29·638	29·703	29·891	29·973	30·062	29·834
29·622	29·631	29·658	29·773	29·888	29·975	30·011	29·849
29·608	29·613	29·652	29·717	29·817	29·934	30·026	29·822
29·618	29·606	29·671	29·721	29·884	29·973	30·024	29·813
29·598	29·636	29·670	29·779	29·921	29·984	30·059	29·842
29·631	29·613	29·632	29·741	29·810	29·893	29·935	29·828
29·620	29·644	29·680	29·794	29·820	30·010	30·020	29·818
29·604	29·605	29·659	29·713	29·912	29·940	30·046	29·839
29 653	29·614	29·685	29·709	29·855	29·961	30·081	29·858
29·672	29·661	29·677	29·698	29·854	30·011	30·068	29·843
29·616	29·635	29·656	29·713	29·837	30·017	30·051	29·832
29·624	29·623	29·664	29·724	29·851	29·966	30·030	29·829

TABLE

Monthly oscillations (range) of

Years.	Jan.	Feb.	March.	April.	May.
	″	″	″	″	″
1870	·375	·298	·314	·338	·455
1871	·270	·326	·309	·339	·349
1872	·316	·300	·387	·390	·429
1873	·285	·384	·243	·319	·522
1874	·315	·414	·373	·271	·324
1875	·336	·330	·356	·437	·367
1876	·347	·373	·378	·295	·320
1877	·292	·432	·302	·303	·340
1878	·464	·308	·427	·343	·319
1879	·294	·397	·317	·293	·452
1880	·454	·358	·442	·284	·445
1881	·247	355	·303	·347	·504
1882	·329	·338	·417	·282	·473
1883	·415	·313	·299	·328	·367
1884	·283	·347	·346	·272	·399
1885	·290	·325	·305	·295	·285
1886	·396	·361	·398	·331	·391
1887	·334	·511	·370	·375	·428
1888	·346	·402	·312	·382	·447
1889	·360	·320	·437	·344	·378
1890	·361	·430	·385	·357	·421
1891	·294	·358	·246	·305	·451
1892	·304	·361	·425	·369	·404
1893	·304	·268	·401	·458	·539
1894	·294	·338	·376	·403	·403
Mean	·333	·358	·355	·338	·408

IX.

Pressure for each month of 25 *years.*

June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
″	″	″	″	″	″	″	″
·393	·330	·361	·371	·235	1·349	·321	·429
·392	·325	·301	·416	·361	·250	·312	·329
·384	·352	·364	·391	·452	·269	·314	·362
·244	·337	·425	·366	·265	·339	·403	·344
·482	·314	·317	·333	·358	·307	·261	·339
·325	·349	·335	·446	·289	·270	·274	·343
·291	·272	·286	·444	1·141	·313	·285	·395
·359	·299	·341	·381	·283	·339	·327	·335
·329	·427	·433	·395	·325	·600	·491	·405
·248	·332	·354	·406	·417	·360	·223	·342
·230	·305	·346	·347	·536	·268	·256	·356
·344	·310	·386	·345	·539	·329	·241	·355
·400	·282	·389	·426	·398	·404	·408	·379
·396	·360	·421	·401	·331	·268	·469	·364
·235	·402	·370	·413	·454	·325	·273	·343
·376	·376	·362	·363	·250	·398	·315	·328
·409	·419	·434	·309	·432	·397	·353	·386
·378	·346	·320	·487	·307	·336	·240	·369
·278	·284	·328	·530	·354	·380	·277	·360
·304	·392	·438	·543	·396	·482	·324	·393
·354	·404	·289	·372	·466	·354	·325	·377
·318	·344	·311	·391	·308	·461	·326	·343
·381	·353	·310	·415	·339	·432	·323	·368
·452	·307	·365	·412	·415	·211	·228	·365
·294	·355	·433	·287	·379	·498	·328	·366
·344	·343	·361	·400	·401	·398	·316	·363

TABLE

Comparison of monthly means of 1894

Months.	Pressure of Air.					
	Mean.	Maximum.	Minimum.	Range.	Dry bulb.	Wet bulb.
	″	″	″	″	°	°
January ...	− ·005	− ·027	+ ·012	− ·039	+ 0·1	+1·1
February ...	+ ·024	− ·008	+ ·012	− ·020	...	+0·8
March ...	− ·013	− ·021	− ·043	+ ·022	− 0·7	+0·3
April ...	− ·001	+ ·021	− ·044	+ ·065	− 0·9	+0·2
May ...	− ·008	− ·019	− ·013	− ·006	+ 0·9	+0·9
June ...	− ·008	− ·005	+ ·045	− ·050	− 0·9	−0·1
July ...	+ ·012	− ·009	− ·021	+ ·012	+ 0·2	−0·4
August ..	− ·008	+ ·006	− ·065	+ ·071	+ 0·6	+0·4
September ...	− ·011	− ·055	+ ·059	− ·114	− 0·6	+0·6
October ...	− ·013	− ·024	− ·002	− ·022	− 1·1	+1·0
November ...	+ ·050	+ ·064	− ·068	+ ·132	− 1·6	−0·1
December ...	+ ·021	+ ·038	+ ·026	+ ·012	− 0·4	+0·8
Year ...	+ ·003	+ ·003	+ ·044	− ·041	− 0·4	+0·5

X.

with the averages of 25 *years.*

TEMPERATURE OF AIR.

Wet minimum.	Highest registered.	Lowest registered.	Range.	Mean of maximum.	Mean of minimum.	Mean daily range.
°	°	°	°	°	°	°
+ 1·3	+ 3·0	+ 0·1	+ 2·9	− 0·1	− 0·3	+ 0·2
+ 1·4	− 0·6	− 1·9	+ 1·3	− 0·2	− 1·0	+ 0·8
+ 2·1	− 1·3	+ 1·2	− 2·5	...	− 0·3	+ 0·3
− 0·1	− 0·3	− 4·8	+ 4·5	− 1·4	− 1·6	+ 0·2
+ 0·5	+ 0·7	...	+ 0·7	− 0·2	− 0·5	+ 0·3
− 1·2	− 2·9	− 1·6	− 1·3	− 1·6	− 2·1	+ 0·5
+ 0·3	− 2·0	+ 0·9	− 2·9	+ 0·2	− 0·5	+ 0·7
+ 0·6	− 0·9	− 0·4	− 0·5	− 0·3	− 0·6	+ 0·3
+ 0·4	− 1·5	− 0·3	− 1·2	− 1·2	− 1·0	− 0·2
+ 0·4	+ 0·5	− 0·3	+ 0·8	− 0·4	− 0·7	+ 0·3
+ 2·9	+ 2·0	− 0·4	+ 2·4	− 0·6	− 1·4	+ 0·8
+ 4·8	− 0·4	− 0·5	+ 0·1	+ 0·5	− 0·1	+ 0·6
+ 1·1	− 1·7	+ 0·1	− 1·8	− 0·4	− 0·8	+ 0·4

TABLE

Comparison of monthly means of 1894

Months.	Temperature of Radiation.				Hygrometrical		
	Sun.	Difference, sun and shade.	Grass.	Difference, shade and radiation.	Dew point.	Pressure of vapour.	Weight of vapour in a cubic foot of air, in grains.
	°	°	°	°	°	″	
January ...	− 2·8	− 2·7	− 1·4	+ 1·1	− 2	− ·031	+ ·3
February ...	− 4·4	− 4·2	− 3·1	+ 2·1	+ 1	+ ·033	+ ·4
March ...	− 2·3	− 2·3	+ 2·5	− 2·8	+ 1	+ ·012	+ ·1
April ...	− 3·5	− 2·1	− 1·5	− 0·1	+ 1	...	...
May ...	+ 1·3	+ 0·6	+ 0·5	− 0·5	+ 3	+ ·028	+ ·3
June ...	− 2·5	− 0·9	− 1·8	− 0·3	+ 1	+ ·014	+ ·2
July ...	− 2·4	− 2·6	− 1·1	+ 0·6	+ 1	− ·013	− ·2
August ...	− 2·1	− 1·8	− 5·2	+ 4·6	+ 4	+ ·028	+ ·3
September ...	− 4·1	− 2·9	− 5·3	+ 4·3	+ 2	+ ·056	+ ·6
October ...	− 0·8	− 0·4	− 4·5	+ 3·8	+ 3	+ ·055	+ ·6
November ...	− 2·9	− 2·3	− 4·6	+ 3·2	+ 2	+ ·011	+ ·2
December ..	− 4·7	− 5·2	− 4·4	+ 4·3	+ 3	+ ·029	+ ·3
Year ...	− 2·6	− 2·2	− 2·5	+ 1·9	+ 2	+ ·018	+ 0·3

X.—*(Continued.)*

with the averages of 25 years.

Results.							
Vapour required for saturation, in grains.	Humidity percentage.	Weight of a cubic foot of air, in grains.	Mean daily velocity of wind.	Serenity (Clear sky = 10.)	Amount of ozone. (Tints 1-10.)	Rainfall, in inches.	Rainy days.
− ·3	− ·04	− 0·2	− 20·75	+ 0·3	− 1·6	− ·33	− 1
− ·4	+ ·04	− 0·2	− 19·91	+ 0·3	− 1·5	− ·18	− 1
+ ·6	+ ·03	− 1·9	− 30·57	+ 0·4	− 1·2	− ·43	− 1
...	+ ·03	...	− 48·91	− 1·5	− 1·3	+ ·59	+ 3
+ ·1	...	− 1·1	− 38·71	− 0·7	− 1·3	− 2·67	− 3
− ·6	+ ·03	+ 9·8	− 41·54	− 1·6	− 1·1	...	+ 3
+ ·5	...	− 0·8	− 57·38	− 1·4	− 1·0	− 2·69	...
+ ·1	...	− 1·1	− 48·28	− 0·9	− ·5	− 3·11	...
− 1·0	+ ·04	+ 0·6	− 28·76	− 1·2	− ·4	+ ·56	+ 6
− ·9	+ ·09	+ 0·6	+ 3·87	− 2·2	− ·8	+ 9·64	+ 4
− ·5	+ ·07	+ 0·9	+ 7·59	+ 0·6	− 1·3	− 2·05	...
− ·3	+ ·05	− 0·2	+ 4·83	+ 0·8	− 1·7	− 1·90	− 1
− 0·2	+ ·03	− 0·2	− 26·54	− 0·6	− 1·1	− 2·57*	− 9*

* Variation from normal of total for the year.

TABLE

The Highest Maximum Temperature recorded

Year.	January.	February.	March.	April.	May.
1870	84·5	83·8	90·3	90·5	102·1
1871	82·7	88·5	93·5	92·5	96·8
1872	82·5	88·0	90·0	92·0	105·0
1873	81·5	87·8	90·8	94·5	93·6
1874	82·0	86·5	87·7	91·0	92·0
1875	82·0	83·3	88·5	91·5	91·7
1876	83·0	87·0	90·6	90·8	92·2
1877	81·0	83·0	88·0	91·5	100·5
1878	84·0	92·0	91·0	90·7	95·3
1879	81·5	87·8	94·0	94·0	94·2
1880	81·5	86·2	89·5	90·5	92·5
1881	81·7	90·3	93·0	93·0	93·5
1882	83·7	85·0	92·0	91·0	94·8
1883	80·3	91·0	89·5	89·8	94·6
1884	79·0	83·5	89·5	94·6	96·2
1885	81·6	83·6	90·5	91·4	93·7
1886	81·8	88·5	87·8	90·0	93·0
1887	82·3	88·0	87·8	91·8	97·5
1888	81·8	87·0	90·8	92·6	101·1
1889	82·9	88·0	90·0	94·3	93·5
1890	81·5	85·0	93·2	91·3	96·0
1891	81·5	85·5	89·0	95·4	93·5
1892	80·5	85·5	91·8	95·0	98·0
1893	79·5	84·0	89·5	91·6	96·2
1894	85·0	86·0	89·0	91·8	95·0
Mean	82·0	86·6	90·3	92·1	95·7

XI.

each month during the past 25 *years.*

June.	July.	August.	September.	October.	November.	December.	Highest during whole year.
93·7	92·0	91·2	89·6	88·0	86·3	82·0	102·1
94·9	92·7	92·5	92·5	92·0	87·7	83·7	96·8
92·3	89·0	89·0	89·0	87·2	85·0	83·0	105·0
98·3	92 0	90·0	90·0	86·0	83·5	80·3	98·3
93·0	92·7	91·0	89·2	90·0	84·0	78·7	93·0
93·0	94·0	92·5	89·7	89·0	84·0	80·7	94·0
95·5	93·5	90·7	89·0	87·0	85·0	79·0	95·5
95·3	97·0	94·0	89·5	89·5	85·7	84·0	100·5
99·0	91·2	89·8	91·0	89·0	88·6	85·5	99·0
95·5	92·0	91·0	92·3	89·2	85·6	80·2	95·5
96·2	91·0	91·4	95·5	89·5	82·8	80·5	96·2
94·0	95·0	92·0	92·0	90·0	85·5	80·2	95·0
98·3	92·3	92·2	91·5	90·2	85·0	79·5	98·3
95·5	92·3	91·5	90·2	89·0	83·2	78·6	95·5
95·3	93·6	93·5	90·8	87·6	83·5	80·8	96·2
95·0	94·7	93·5	90·5	88·0	85·3	82 0	95·0
92·8	92·4	92·0	90·8	86·7	85·7	82·3	93·0
94·0	91·0	91·8	90·0	90·2	84·4	80·7	97·5
100·7	94·7	92·8	92·0	92·1	84·8	82·3	101·1
96·8	92·1	91·8	89·0	88·0	85·0	80·0	96·8
96·0	90·0	90·2	89·0	88·5	82·8	83·0	96 0
100·0	93·5	92·0	92·8	88·3	87·0	83·0	100·0
91·5	94·3	88·5	89·0	89·2	84·0	80·0	98·0
91·3	90·5	89·3	88·0	88·0	83·3	80·3	96 2
92·3	90·6	90·5	89·0	89·4	87·0	80·8	95·5
95·2	92·6	91·4	90·5	88·9	85·0	81·2	97·2

TABLE

The Lowest Minimum Temperature recorded

Year.	January.	February.	March.	April.	May.
1870	70·0	70·0	71·0	79·0	84·0
1871	67·7	70·0	76·0	79·4	81·6
1872	70·5	71·5	75·0	82·0	84·0
1873	65 0	72·0	77·0	80·0	83·0
1874	68·0	72·5	74·8	81·0	82·5
1875	65·0	66·0	73·0	81·5	81·5
1876	67·0	69·0	77·0	82·0	81·5
1877	65·0	72·4	72·0	79·9	79·6
1878	72·0	74·0	79·0	82·5	81·8
1879	65·0	69·8	79·0	81·2	80·2
1880	64·2	70·3	74·5	82·2	81·8
1881	63·0	64·0	75·0	81·3	82·2
1882	68·7	68·2	75·2	81·7	79·7
1883	68·0	70·8	77·8	81·5	83·8
1884	67·3	69·0	76·0	80·5	81·0
885	68·5	73·0	73·0	82·0	82·8
1886	65·5	69·7	77·3	81·5	81·5
1887	68·0	69·5	77·8	80·0	82·0
1888	65·5	71·5	75·0	81·6	78·2
1889	60·2	66·2	68·0	77·2	82·1
1890	61·0	60·5	71·5	76·3	79·0
1891	61·0	65·0	74·5	77·5	81·5
1892	62·8	67·3	70·0	81·5	80·0
1893	62·5	72·8	75·0	77·5	80·5
1894	66·0	67·8	76·0	75·5	81·0
Mean	65·9	69·7	74·8	80·3	81·5

XII.

each month during the past 25 *years.*

June.	July.	August.	September.	October.	November.	December.	Lowest during whole year.
79·0	78·0	81·0	80·5	78·0	72·8	65·8	65·8
80·5	79·5	81·5	81·0	77·1	75·0	71·0	67·7
78·0	79·0	80·5	80·0	77·6	74·0	68·5	68·5
85·0	77·0	80·0	79·8	72·0	71·0	66·0	65·0
81·0	79·0	80·5	81·0	78·0	70·0	63·0	63·0
80·0	78·2	80·0	78·0	76·5	69·0	65 0	65·0
82·0	78·7	78·5	79·2	76·2	68·7	65·0	65·0
84·0	82·0	81·6	80·3	79·0	73·0	68·7	65·0
82·7	79·3	81·0	82·2	77·0	73·5	69·5	69·5
79·8	80·0	79·5	80·0	79·3	65·0	60·5	60·5
80·0	79·0	80·0	80·5	79·0	73·0	67·0	64·2
82·7	81·0	80·7	81·6	75·5	72·5	62·0	62·0
83·0	78·4	81·8	80·0	74·8	74·5	66·5	66·5
81·0	80·4	79·0	76·5	78·4	67·0	62·0	62·0
81·4	79·8	79·5	78·7	74·4	70·0	65·5	65·5
80·0	79·5	81·6	81·8	77·0	69·0	66·5	66·5
82·8	79·0	79·5	82·0	78·0	73·5	65·0	65·0
80·5	77·5	80·0	82·2	76·5	68·5	65·8	65·8
80·1	78·1	78·8	78·7	72·1	65·7	59·5	59·5
78·7	78·6	78·7	77·0	74·8	65·0	60·0	60·0
78·5	76·3	77·8	79·0	76·0	67·0	63·1	60·5
79 0	77·8	79·0	77·5	75·0	71·0	63·0	61·0
80·0	78·0	78·4	76·0	76·0	64·0	63·0	62·8
77·4	79·4	79·5	76·0	77·0	72·5	66·0	62·5
79·0	79·8	79·5	79·2	76·2	69·8	64·4	64·0
80·6	78·9	79·9	79·5	76·5	70·2	64·9	64·9

TABLE XIII.

Normal Daily Temperature at Vizagapatam (Mean of dry bulb at six hour intervals.)

Date.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1st	74·7	76·7	81·0	85·1	87·8	88·6	86·0	85·3	84·7	84·8	80·7	76·5
2nd	74·8	76·8	81·8	85·2	87·7	88·5	85·6	85·0	84·4	84·7	80·7	76·7
3rd	74·9	77·0	81·9	85·4	87·6	88·8	85·5	85·3	84·7	84 8	80·9	76·6
4th	75·0	77·3	81·9	85·6	87·4	88·9	85·6	85·8	85·1	84·6	80·9	76·6
5th	75·4	77·6	81·6	85·6	87·5	88·7	85·9	85 9	85·2	84 8	80·4	76 4
6th	75·5	77·7	81·6	85·4	87·7	88·3	86·0	85·6	85·0	84·7	80·6	76·3
7th	75·5	77·9	81·9	85·5	87·7	88·2	85·5	85·2	85·0	84·4	80·8	76·0
8th	75·7	77·8	82·1	85·6	88·1	88·4	85·5	85·6	85·1	84·8	80·7	76·2
9th	75·1	77·9	82·1	85·7	87·8	87·7	85·1	85·5	85·1	84·4	80·6	75·8
10th	74·9	78·2	82·4	86 0	88·1	87·9	84·9	85·2	85·3	84·1	80·4	76·8
11th	74·7	78·4	82·6	86·2	88·2	88·1	85·0	85·4	85·3	83·6	80·0	75·6
12th	74·6	78·7	82·9	86·6	88·1	88·3	84·5	85·6	85·4	83·6	79·6	75·7
13th	74·8	78·7	83·1	86·7	88·1	88·2	84·4	85·6	85·3	83·4	79·4	76·1
14th	74·9	78·7	83·3	86·8	88·0	87·9	84·6	86·5	84·9	83·4	79·3	75·7

15th	75·2	79·2	83·3	86·8	87·8	87·9	85·1	85·1	84·8	83·5	79·1	75·7
16th	75·2	79·2	83·3	86·3	88·1	87·6	85·5	85·4	84·9	83·1	78·9	75·7
17th	75·3	79·3	83·5	86·4	88·2	87·8	85·4	85·5	85·0	82·9	78·7	75·6
18th	75·6	79·4	83·5	86·2	88·6	87·6	85·6	85·4	84·7	83·1	78·5	75·2
19th	75·7	79·4	83·6	86·4	88·4	87·2	85·3	85·4	84·8	83·0	78·2	74·7
20th	76·0	79·5	83·9	86·5	88·7	87·0	85·1	85·5	84·8	82·9	78·5	74·4
21st	76·3	79·8	84·0	86·5	88·5	86·4	84·8	85·4	84·6	82·7	78·5	74·2
22nd	76·2	80·1	84·2	86·7	85·3	86·9	85·2	85·4	84·7	82·7	78·2	74·4
23rd	76·1	80·3	84·4	86·8	88·2	86·9	84·9	85·3	84·8	83·0	78·1	74·5
24th	76·2	80·5	84·3	86·9	88·1	86·9	84·5	85·4	85·0	82·5	78·1	74·6
25th	76·5	80·7	84·6	86·9	88·2	86·7	84·9	85·5	84·8	82·4	78·1	74·3
26th	76·5	80·8	84·8	87·0	88·7	86·5	85·1	85·4	84·9	82·5	77·9	74·1
27th	76·5	80·9	84·7	87·2	88·6	86·4	85·2	85·2	84·8	82·4	77·7	74·1
28th	76·5	81·5	84·9	87·4	88·5	86·1	85·4	84·9	84·5	82·2	77·1	74·3
29th	76·5	...	85·2	87·9	88·9	85·7	85·5	84·9	84·6	82·0	76·6	74·1
30th	76·6	...	85·2	87·7	88·8	85·9	85·7	84·9	84·7	81·6	76·5	74·2
31st	76·8	...	85·1	...	88·4	...	85·7	84·8	...	81·0	...	75·2
Mean of whole month ...	75·6	78·9	83·3	86·4	88·2	87·5	85·3	85·3	84·9	83·4	79·1	75·4
Mean of first 10 days ...	75·2	77·5	81·8	85·5	87·7	88·4	85·6	85·4	85·0	84·6	80·7	76·4
Mean of second 10 days ...	75·2	79·1	83·3	86·5	88·2	87·8	85·1	85·5	85·0	83·3	79·0	75·4
Mean of remaining days ...	76·4	80·6	84·7	87·0	88·5	86·4	85·2	85·2	84·7	82·3	77·7	74·4

TABLE

Mean Temperature for each month of 25 *years*

Years.	January.	February.	March.	April.	May.
1870	78·6	77·9	82·0	85·7	89·2
1871	76·0	79·4	83·9	86·0	87·8
1872	77·0	79·8	84·1	87·1	89·6
1873	75·8	79·0	82·8	86·3	88·2
1874	75·2	79·2	82·3	85·5	87·0
1875	74·7	76·3	82·4	86·2	86·7
1876	74·6	78·5	83·8	86·6	88·5
1877	75·1	78·4	82·4	85·4	87·3
1878	78·3	82·3	84·5	86·5	88·5
1879	75·1	78·3	85·1	87·1	86·5
1880	75·1	78·7	82·5	86·4	87·4
1881	74·2	77·6	83·2	86·7	87·5
1882	76·3	79·4	83·9	86·4	87·8
1883	75·1	79·1	83·4	86·0	88·6
1884	73·6	77·9	82·9	85·4	87·6
1885	76·0	79·1	81·9	86·5	87·7
1886	74·0	78·2	83·6	85·8	87·0
1887	76·0	78·4	83·0	85·4	89·2
1888	75·5	80·1	83·5	86·7	87·9
1889	73·7	78·0	82·5	86·9	88·5
1890	73·4	76·6	83·2	85·7	88·5
1891	74·4	78·3	82·4	86·8	87·6
1892	74·2	78·1	83·6	87·0	89·6
1893	73·6	78·7	81·1	85·2	87·0
1894	75·1	78·3	83·3	85·0	88·6
Mean	75·2	78·6	83·1	86·2	88·0

XIV.

(from means of maximum, minimum and dry bulb).

June.	July.	August.	September.	October.	November.	December.	Year.
86·8	84·9	86·0	84·5	82·8	80·3	74·2	81·9
87·4	85·3	86·4	85·8	86·0	82·2	79·2	83·7
86·7	83·8	84·3	83·9	81·8	79·7	76·3	82·8
90·1	84·3	85·2	85·0	81·1	77·4	75·0	82·5
85·8	85·2	85·3	85·1	83·1	78·6	72·5	82·1
87·1	85·4	85·4	83·5	82·5	78·1	74·8	81·9
88·0	86·0	85·2	84·0	81·9	77·7	73·0	82·3
88·7	88·2	86·9	85·0	85·0	80·4	79·0	83·5
89·9	85·6	84·3	86·1	83·9	80·5	76·7	83·9
87·1	85·1	85·0	85·6	83·9	79·0	73·4	82·6
87·0	84·7	84·8	84·6	83·8	78·8	74·8	82·4
87·0	85·6	85·7	85·5	84·1	80·2	74·4	82·7
88·7	85·1	85·7	84·5	83·8	79·5	74·3	83·0
87·4	85·5	85·8	84·9	83·6	76·7	72·7	82·4
87·4	85·8	85·4	84·0	82·6	77·9	75·4	82·2
87·3	85·6	85·9	85·6	83·2	79·4	76·5	83·1
86·6	85·2	84·9	86·2	82·8	79·9	74·5	82·4
86·7	84·2	85·4	85·7	83·2	78·7	75·1	82·6
89·2	85·2	85·9	86·0	83·6	78·6	73·8	83·0
88·0	84·4	84·6	84·4	82·2	77·8	72·9	82·2
85·7	82·9	84·3	84·1	82·5	76·9	76·9	81·7
89·0	84·5	85·1	85·2	83·3	81·3	77·7	82·9
86·8	85·8	84·1	83·4	82·3	75·7	73·0	82·0
86·0	85·4	84·1	82·9	83·1	78·5	74·3	81·7
86·1	85·3	85·3	83·9	82·3	77·6	74·7	82·1
87·5	85·2	85·2	84·8	83·1	78·9	75·0	82·5

TABLE XV.

Normal Daily Depression of Wet below Dry Bulb Thermometer for 25 years.

Dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1st	8·0	8·3	7·9	8·5	8·5	8·1	7·7	7·2	6·4	6·5	7·0	8·0
2nd	8·2	8·1	8·9	8·3	8·2	8·4	7·3	7·0	6·2	6·6	7·0	8·3
3rd	8·2	7·6	8·8	8·5	8·1	8·7	7·1	7·3	6·5	6·8	7·5	8·1
4th	7·5	7·7	8·8	8·5	8·2	8·6	7·1	7·5	6·5	6·7	7·2	8·1
5th	7·5	7·8	8·1	8·7	8·3	8·5	7·6	7·3	6·8	6·7	6·9	8·2
6th	7·6	7·6	8·3	8·2	8·3	8·2	7·6	7·3	6·6	6·8	7·2	8·3
7th	7·9	7·6	8·2	8·3	8·3	8·1	7·2	7·1	6·8	6·8	7·0	8·1
8th	8·3	7·9	8·0	8·2	8·5	8·6	7·2	7·3	6·3	6·6	7·0	8·7
9th	7 9	8·1	8·2	8·0	8·0	8·2	7·0	6·9	6·9	6·8	7·3	8·4
10th	8·0	8·1	8·7	7·9	8·5	8·3	7·2	7·0	6·9	6·8	7·4	8·0
11th	7·9	7·8	9·2	8·0	8·9	8·5	7·3	7·0	6·9	6·7	7·8	8·0
12th	7·7	7·7	9·2	8·5	7·8	8·4	6·9	7·3	6·6	7·0	8·3	8·2
13th	7·9	7·7	9·0	8·6	8·2	8·6	6·8	7·0	6·6	6·9	8·4	8·5
14th	7·8	7·8	9·4	8·3	8·2	8·1	6·8	8·1	6·5	6·3	8·6	8·2

15th	7·8	8·3	8·8	8·5	7·9	8·6	7·3	7·0	6·4	6·3	8·7	8·1
16th	7·6	7·9	8·3	8·3	8 0	8·6	7·6	7·2	6·7	6·3	8·6	8·2
17th	7·3	7·8	7·3	8·2	8·0	8·9	7·7	7·1	6·4	6·3	8·5	8·3
18th	7·2	7·7	8·4	8·1	8·6	8·4	7·9	7·1	6·2	6·7	8·8	8·3
19th	7·6	8·1	7·9	8·1	8·5	8·2	7·6	7·2	6·3	6·8	8·3	8·5
20th	7·5	8·2	7·9	8·2	8·3	8·6	7·6	7·1	6·3	6·6	8·1	8·4
21st	7·9	8·7	8·1	8·2	8·0	8·2	7·1	7·1	6·0	6·7	8·5	8·1
22nd	7·7	8·7	8·5	7·2	7·8	8·4	7·4	7·1	6·1	6·9	8·8	8·4
23rd	7·5	8·7	8·7	8·6	7·7	8·5	7·1	7·0	6·4	7·6	8·6	8·3
24th	7·6	8·8	8·3	8·5	7·9	8·5	7 2	6·8	6·6	7·0	7·5	8·7
25th	7·9	8·6	7·7	8·4	8·1	8·4	7·4	7·1	6·5	6·0	7·9	9·2
26th	7·8	8·6	8·2	7·9	8·1	8·4	7·2	6·9	6·6	7·0	7·9	8·3
27th	8·1	8·3	8·2	8·4	8·2	8·1	7·3	6·7	6·6	7·2	8·4	8·2
28th	8·0	9·0	8·2	8·3	7·6	7·9	7·7	6·5	6 2	7·0	8·3	8·1
29th	8·1	...	8·2	8·7	8·3	7·3	7·6	6·3	6·2	7·7	8·3	7·8
30th	7·9	...	8·5	8·5	8·4	7·5	7·6	6·3	6·0	7·6	8·1	8·0
31st	7·7	...	8·5	...	8·1	...	7·7	6·4	...	7·1	...	8·9
Mean of whole month ...	7·8	8·1	8·4	8·3	8·2	8·3	7·3	7·0	6·5	6·8	7·9	8·3
Mean of first 10 days ..	7·9	7·9	8·4	8·3	8·3	8·4	7·3	7·2	6·6	6·7	7·2	8·2
Mean of second 10 days ...	7·6	7·9	8·5	8·3	8·2	8·5	7·4	7·2	6·5	6·6	8·4	8·6
Mean of remaining days ...	7·8	8·7	8·3	8·3	8·0	8·1	7·4	6·7	6·3	7·1	8·2	8·3

TABLE

Mean Monthly and Annual Depression of Wet

Years.	Jany.	Feb.	March.	April.	May.
1870	8·3	8·2	8·8	8·8	9·5
1871	7·2	7·3	9·4	7·5	7·6
1872	8·2	8·4	8·2	8·8	8·2
1873	7·6	7·9	8·2	7·8	8·4
1874	7·1	8·1	7·6	8·0	7·3
1875	7·2	7·7	7·3	7·6	7·2
1876	8·1	8·3	7·3	7·5	7·2
1877	6·8	6·3	7·7	7·9	7·5
1878	8·3	8·9	8·5	8·8	8·7
1879	8·6	8·1	9·1	8·4	7·5
1880	7·4	8·0	8·4	8·0	8·0
1881	8·9	10·2	9·7	8·8	7·7
1882	7·6	8·2	10·2	9·0	8·3
1883	7·7	9·0	8·9	8·6	8·4
1884	8·0	7·7	8·8	9·2	8·5
1885	7·4	8·1	8·4	9·3	9·5
1886	7·6	8·1	8·6	8·5	7·4
1887	7·5	8·5	8·2	8·7	8·7
1888	8·0	9·0	9·1	8·6	9·3
1889	8·2	9·1	9·9	9·1	9·1
1890	8·1	7·5	8·1	8·4	8·0
1891	8·3	7·9	8·1	9·6	8·3
1892	8·4	8·4	9·3	7·3	8·8
1893	7·0	6·5	6·4	6·0	6·7
1894	6·8	7·3	7·8	7·2	8·2
Mean	7·8	8·1	8·5	8·3	8·2

XVI.

below Dry Bulb Thermometer for 25 years.

June.	July.	August	Sept.	Oct.	Novr.	Decr.	Year.
8·1	7·4	7·2	6·1	4·9	2·5	9·2	7·5
8·0	7·0	6·9	6·7	9·3	9·0	8·3	7·8
6·9	5 6	5·4	5·0	5·3	7·1	6·8	7·0
9·3	6·3	6·3	6·6	5·6	7·9	7·2	7·4
7·3	6·6	7·0	5·9	5·2	7·9	7·8	7·2
8·1	7·6	7·0	5·3	6·4	9·3	8·2	7·4
8·0	7·8	6·5	5·8	7·6	9·5	8·5	7·4
8·8	8·8	8·4	6·3	7·3	8·3	8·0	7·7
8·5	6·7	5·4	6·6	6·5	6·9	7·8	7·6
7·9	6·6	7·1	7·0	7·3	8·0	8·7	7·9
8·1	7·2	6·5	7·1	6·6	6·8	7·9	7·5
7·7	7·9	7·1	6·9	9·6	8·8	8·8	8·5
10·7	8·0	7·4	6·3	8·2	7·6	7·9	8·3
9·3	8·5	7·6	7·2	7·2	8·8	9·4	8·4
8·4	9·0	7·7	6·4	7·2	9·7	8·8	8·3
9·0	8·0	8·4	7·2	6·9	9·4	7·6	8·3
7·5	6·9	6·1	7·0	4·8	7·4	7·4	7·3
8·1	7·1	7·4	7·6	7·5	7·6	10·0	8·1
10·6	8·5	8·8	8·6	9·5	6·9	9·4	8·9
8·6	6·0	7·0	5·7	5·3	7·7	8·2	7·8
7·5	6·9	6·6	6·8	6·4	5·2	7·3	7·2
9·2	7·8	7·9	7·1	8·1	10·9	10·3	8·6
8·2	7·6	5·7	5·9	5·9	8·0	8·0	7·6
7·6	6·6	6·2	5·6	6·5	5·6	7·3	6·5
7·6	7·4	7·1	5·3	4·7	6·2	7·0	6·9
8·4	7·4	7·0	6·5	6·8	7·7	8·2	7·7

TABLE

Mean Relative Humidity for

(SATURA

YEARS.	January.	February.	March.	April.	May.
1870	·64	·64	·65	·65	·65
1871	·67	·68	·62	·70	·71
1872	·63	·64	·67	·66	·69
1873	·66	·66	·66	·69	·68
1874	·67	·65	·68	·67	·71
1875	·66	·65	·70	·70	·71
1876	·63	·63	·70	·70	·72
1877	·69	·72	·68	·68	·71
1878	·65	·64	·66	·66	·67
1879	·62	·65	·64	·68	·71
1880	·66	·66	·66	·69	·69
1881	·60	·57	·62	·66	·70
1882	·67	·66	·60	·65	·68
1883	·65	·63	·65	·66	·67
1884	·63	·67	·65	·64	·67
1885	·67	·66	·65	·64	·64
1886	·66	·66	·65	·66	·71
1887	·67	·64	·67	·66	·67
1888	·65	·63	·63	·66	·65
1889	·63	·62	·60	·65	·66
1890	·64	·67	·67	·67	·70
1891	·63	·66	·67	·64	·68
1892	·63	·65	·63	·72	·67
1893	·68	·72	·73	·76	·74
1894	·69	·69	·69	·70	·69
Mean	·65	·65	·66	·67	·69

XVII.

each month of 25 *years.*

TION = 1.)

June.	July.	August.	September.	October.	November.	December.	Year.
·69	·70	·71	·75	·79	·68	·58	·68
·69	·72	·72	·73	·64	·63	·64	·68
·73	·77	·77	·78	·75	·70	·69	·71
·65	·74	·74	·73	·75	·65	·67	·69
·70	·73	·71	·76	·76	·66	·64	·69
·68	·69	·72	·77	·73	·60	·62	·69
·69	·69	·73	·76	·69	·59	·61	·68
·67	·66	·67	·74	·70	·65	·65	·69
·69	·74	·78	·74	·73	·71	·65	·69
·69	·73	·72	·72	·71	·66	·60	·68
·68	·71	·74	·72	·73	·71	·64	·69
·70	·70	·72	·72	·63	·64	·61	·66
·60	·68	·70	·74	·67	·68	·64	·67
·64	·67	·70	·71	·70	·62	·57	·66
·67	·65	·69	·74	·70	·58	·61	·66
·66	·69	·68	·72	·72	·61	·66	·67
·70	·73	·75	·72	·80	·69	·66	·70
·69	·71	·71	·70	·70	·68	·56	·67
·61	·67	·66	·67	·63	·70	·58	·65
·67	·76	·71	·77	·78	·67	·63	68
·70	·72	·73	·73	·74	·77	·69	·70
·66	·69	·69	·72	·67	·56	·56	·65
·68	·70	·77	·75	·76	·65	·64	·69
·70	·73	·75	·77	·77	·75	·67	·73
·71	·71	·72	·78	·81	·73	·68	·72
·68	·71	·72	·74	·72	·66	·63	·68

TABLE XVIII.

Normal Daily Elastic Force of Aqueous Vapour.

Dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1st	·578	·588	·704	·801	·840	·910	·827	·840	840	·840	·739	·617
2nd	·578	·617	·692	·801	·882	·868	827	·840	·854	840	·739	·588
3rd	·578	·617	·692	·801	·882	·868	·827	·840	·840	·840	·704	·617
4th	·607	·648	·692	·787	·854	·868	·868	·827	·882	·840	·739	·617
5th	·607	·638	·727	·787	·840	·868	·827	·868	·840	·840	·751	·597
6th	·597	·638	·692	·801	·840	·882	·827	·827	·840	·840	·704	·597
7th	·597	·638	·727	·787	·840	·882	827	·840	·840	854	·739	·597
8th	568	·638	·727	·787	·882	·882	·827	·827	·882	·840	·739	·597
9th	·578	·638	·727	·827	·882	·882	·840	·868	·840	·854	·704	·56
10th	·578	·638	·727	·827	·882	·882	·840	·840	840	·814	·715	·587
11th	·578	·670	·681	·827	·840	·882	·840	·840	·840	·814	·681	·597
12th	·578	·659	·715	·814	·882	·882	·840	·827	·882	·814	·648	·597
13th	·578	·659	·715	·814	882	·882	·854	·868	·882	·827	659	·597
14th	·578	659	·715	·854	·882	·882	·840	·814	·840	·868	·659	·597

15th	·578	·659	·751	·814	·882	·840	·801	·840	·840	·814	·628	·597
16th	·607	·692	·751	·827	·882	·840	·827	·840	·840	·827	·628	·597
17th	·607	·692	·776	·827	·882	·840	·840	·827	·882	·827	·628	·568
18th	·597	·692	·739	·827	·868	·840	·827	·840	·882	·787	·628	·578
19th	·597	·659	·776	·827	·882	·854	·840	·840	·882	·787	·638	·550
20th	·628	·681	·776	·814	·868	·814	·840	·827	·882	·787	·628	·559
21st	·597	·648	·776	·814	·910	·868	·840	·840	·882	·787	·628	·559
22nd	·628	·648	·726	·854	·925	·854	·840	·840	·882	·787	·607	·559
23rd	·628	·681	·776	·814	·925	·814	·840	·840	·840	·751	·638	·550
24th	·628	·670	·776	·814	·882	·814	·801	·882	·840	·787	·670	·550
25th	·617	·670	·801	·854	·882	·814	·840	·827	·840	·801	·638	·559
26th	·627	·670	·801	·854	·910	·814	·840	·882	·840	·787	·638	·559
27th	·588	·704	·801	·854	·868	·827	·840	·882	·840	·763	·607	·559
28th	·617	·692	·801	·854	·910	·827	·840	·840	·840	·763	·617	·559
29th	·588	...	·801	·840	·910	·827	·827	·882	·840	·727	·588	·559
30th	·617	...	·801	·840	·868	·827	·827	·882	·882	·727	·588	·559
31st	·617	...	·801	...	·882	...	·827	·840	...	·739	...	·550
Mean	·591	·657	·747	·821	·879	·854	·834	·846	·856	·806	·664	·579
Mean of first 10 days ...	·567	·630	·711	·801	·862	·879	·834	·842	·850	·840	·727	·599
Mean of second 10 days ...	·593	·672	·740	·825	·875	·856	·835	·836	·865	·815	·643	·584
Mean of remaining days ...	·613	·673	·787	·839	·879	·827	·833	·858	·852	·765	·622	·557

TABLE XIX.

Mean Monthly and Annual Elastic force of Aqueous Vapour.

Years.	Jany.	Feby.	March	April.	May.	June.	July.	Aug.	Sept.	Oct.	Novr.	Decr.	Year.
1870	·631	·620	·687	·809	·887	·871	·839	·882	·886	·883	·893	·494	·782
1871	·607	·689	·724	·876	·923	·892	·873	·914	·900	·792	·695	·639	·794
1872	·596	·659	·784	·850	·956	·923	·885	·911	·919	·832	·708	·630	·804
1873	·588	·657	·748	·866	·903	·921	·867	·899	·879	·804	·619	·586	·778
1874	·595	·655	·760	·838	·914	·875	·885	·873	·917	·885	·647	·510	·780
1875	·579	·601	·769	·874	·905	·878	·843	·869	·889	·814	·584	·547	·763
1876	·549	·629	·813	·891	·970	·912	·856	·889	·883	·749	·567	·502	·768
1877	·608	·703	·759	·839	·921	·902	·885	·861	·895	·847	·681	·656	·796
1878	·626	·708	·785	·834	·896	·953	·894	·911	·911	·848	·735	·600	·808
1879	·537	·629	·774	·867	·891	·883	·885	·853	·879	·813	·651	·497	·763
1880	·579	·643	·729	·863	·895	·878	·841	·880	·840	·841	·694	·553	·770
1881	·504	·526	·660	·791	·866	·849	·799	·836	·845	·695	·628	·512	·709
1882	·587	·634	·662	·773	·843	·761	·781	·824	·843	·738	·654	·533	·719
1883	·558	·599	·704	·785	·866	.790	·772	·821	·812	·775	·552	·457	·708
1884	·516	·616	·690	·742	·837	·830	·758	·806	·822	·748	·546	·524	·703
1885	·587	·631	·685	·765	·792	·798	·795	·788	·837	·773	·589	·589	·719
1886	·540	·613	·711	·783	·864	·844	·833	·863	·855	·858	·669	·553	·749
1887	·535	·598	·719	·763	·865	·822	·793	·817	·818	·750	·641	·487	·717
1888	·558	·623	·699	·808	·817	·800	·783	·784	·804	·712	·681	·500	·714
1889	·539	·602	·668	·801	·842	·851	·870	·826	·894	·842	·632	·516	·740
1890	·534	·622	·747	·805	·898	·841	·794	·845	·832	·804	·712	·631	·755
1891	·539	·636	·728	·777	·849	·858	·793	·802	·848	·756	·598	·548	·728
1892	·568	·648	·727	·882	·940	·854	·868	·882	·854	·827	·617	·559	·769
1893	·588	·727	·763	·910	·925	·854	·827	·882	·854	·814	·763	·607	·796
1894	·628	·692	·776	·827	·910	·854	·827	·868	·896	·882	·670	·607	·786
Mean	·571	·638	·731	·825	·887	·860	·835	·855	·864	·803	·657	·553	·757

TABLE XX.

Mean Cloud Proportion for each month.

(10 = OVERCAST.)

YEARS.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1870	2·6	0·8	2·0	3·0	4·0	5·2	6·9	6·4	6·2	5·4	2·0	1·7	3·8
1871	2·1	1·4	1·1	3·2	5·2	6·8	7·1	6·8	5·9	3·1	3·6	2·1	4·0
1872	1·3	1·4	1·2	2·6	3·7	6·0	6·3	6·6	6·1	5·8	3·0	2·0	3·8
1873	0·7	1·3	1·3	3·5	3·6	4·2	6·6	5·1	4·6	6·3	3·6	2·7	3·6
1874	1·8	1·5	1·7	1·7	3·7	5·8	5·4	5·9	4·7	5·2	2·2	2·6	3·5
1875	2·6	0·9	2·1	2·7	4·2	6·3	6·5	5·7	5·6	4·7	2·5	2·4	3·9
1876	0·8	0·9	2·0	1·8	5·0	5·9	7·1	6·8	5·9	3·5	2·3	1·2	3·6
1877	2·7	4·4	2·0	3·0	3·9	6·0	6·4	7·1	5·3	4·4	2·8	2·6	4·2
1878	2·3	0·8	2·0	2·0	4·1	5·0	6·4	7·2	5·3	5·0	3·7	4·6	4·1
1879	1·1	1·3	2·3	1·8	4·6	5·5	5·7	5·7	5·5	4·2	4·1	2·0	3·6
1880	1·6	2·1	1·5	3·8	4·0	6·7	6·0	6·1	5·6	3·7	5·2	1·5	4·0
1881	0·9	0·5	1·6	2·7	3·8	6·0	7·5	6·2	5·5	2·5	3·4	2·1	3·6
1882	1·9	1·1	2·0	2·7	4·1	4·8	7·5	5·6	5·3	4·2	4·7	2·2	3·9
1883	1·8	1·0	1·3	2·7	3·3	6·8	7·0	6·2	6·0	3·9	1·4	2·9	3·8
1884	1·5	1·5	2·7	2·6	4·1	6·0	6·6	6·1	7·0	3·4	3·0	2·8	3·8
1885	1·8	2·7	1·0	1·7	3·6	6·7	7·2	7·2	5·2	4·9	4·0	3·4	4·2
1886	1·8	0·6	2·1	2·1	4·8	6·8	6·6	6·1	5·6	5·5	3·0	2·5	4·0
1887	1·1	0·7	2·0	1·4	4·8	5·2	7·6	6·8	4·9	5·1	3·9	3·1	3·9
1888	2·6	1·1	2·3	2·9	4·4	6·0	7·4	7·2	5·2	3·2	4·7	2·5	4·1
1889	1·0	1·1	1·5	3·1	4·4	5·8	7·4	8·1	5·8	6·4	4·1	2·8	4·4
1890	0·7	0·5	2·8	3·5	3·4	7·1	8·4	7·0	6·8	5·1	4·0	2·2	4·3
1891	1·1	2·3	3·0	3·1	4·5	6·0	8·4	8·0	7·2	3·9	3·6	2·6	4·5
1892	2·1	1·1	2·3	5·2	5·5	7·3	8·0	6·9	7·4	6·4	1·7	1·3	4·6
1893	1·1	4·4	4·1	3·5	5·7	6·5	7·0	8·2	7·5	4·9	4·9	2·1	5·0
1894	1·3	1·2	1·6	4·3	5·0	7·7	8·4	7·6	7·1	6·8	2·8	1·6	4·6
Mean	1·6	1·5	2·0	2·8	4·3	6·1	7·0	6·7	5·9	4·7	3·4	2·4	4·0

TABLE

Mean Daily Movement of the Wind

YEARS.	January.	February.	March.	April.	May.	June.
1870	47·79	39·21	47·61	67·68	69·35	34·50
1871	16·40	14·90	19·16	39·84	62·51	117·85
1872	61·98	76·09	105·33	124·33	128·11	139·68
1873	41·65	60·09	90·72	125·57	123·68	101·81
1874	36·08	73·05	89·54	126·24	126·39	115·83
1875	63·34	45·05	66·76	72·56	85·15	121·61
1876	53·26	69·29	114·98	135·35	114·62	113·81
1877	48·81	52·99	55·72	52·10	66·43	78·00
1878	42·90	49·77	63·51	72·28	70·20	58·84
1879	25·38	26·73	71·28	107·02	112·99	78·64
1880	46·01	49·11	96·05	106·71	104·43	96·61
1881	33·15	16·74	36·83	69·91	43·96	34·51
1882	33·55	41·29	46·83	67·15	60·87	100·27
1883	48·95	48·53	64·70	101·29	96·95	107·29
1884	48·96	50·01	81·61	108·83	120·21	113·51
1885	45·75	71·23	70·53	103·97	113·23	113·98
1886	37·53	36·05	69·47	99·09	49·28	66·64
1887	10·53	14·75	31·56	33·36	26·68	32·11
1888	17·43	17·28	24·54	58·51	41·19	50·09
1889	6·79	9·48	28·79	89·38	93·28	71·64
1890	40·87	40·54	86·73	74·15	60·50	58·83
1891	36·14	52·63	48·27	62·84	55·65	88·12
1892	23·69	27·03	24·82	68·36	83·12	77·07
1893	29·02	44·65	35·34	47·60	50·35	63·86
1894	15·72	21·28	29·43	32·97	41·31	41·52
Mean ...	36·47	41·91	60·00	81·88	80·02	83·06

XXI.

in miles for each month.

July.	August.	September.	October.	November.	December.	Year.
51·24	34·52	38·40	18·22	21·69	17·79	40·67
134·06	90·05	83·90	52·75	91·65	72·44	66·29
76·43	55·62	53·88	56·92	91·89	53·58	85·32
135·15	92·13	92·74	72·26	73·32	67·14	89·69
98·31	104·16	54·43	52·08	57·44	67·13	83·39
129·83	113·26	74·49	45·35	64·80	61·21	78·62
159·22	95·11	52·00	108·83	60·50	50·82	93·98
36·71	46·46	40·53	36·89	37·13	54·44	50·52
67·34	55·93	29·99	27·80	32·25	40·25	50·92
67·39	79·59	38·96	56·16	70·11	54·89	65·77
110·19	62·25	69·34	59·90	66·57	39·77	75·91
90·11	69·38	37·50	36·04	45·22	40·61	46·16
116·50	62·59	71·27	61·84	67·36	48·72	64·85
117·59	84·00	77·55	52·07	49·29	54·43	75·22
144·43	87·44	80·21	84·04	90·77	89·98	91·67
108·71	81·23	37·94	23·61	62·79	54·11	73·92
40·05	14·06	10·72	24·96	32·08	8·30	40·69
27·32	18·58	16·45	18·60	16·93	30·43	23·11
64·81	57·57	17·48	10·27	9·20	12·10	31·71
72·17	65·34	26·91	21·77	45·38	59·40	49·19
93·77	66·03	64·13	44·04	29·68	39·38	58·22
114·95	95·08	78·10	56·36	63·67	76·47	69·02
69·32	20·93	56·47	28·76	23·40	34·19	45·01
38·29	44·22	27·57	13·95	25·00	21·38	36·77
30·39	16·19	21·33	48·34	59·08	52·90	34·20
87·77	64·47	50·09	44·47	51·49	48·07	60·83

TABLE

Rainfall and the amount of Evaporation for

Months.	January.		February.		March.	
Dates.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.
1st	...	·220	...	·220	...	·300
2nd	...	·200	...	·210	...	·310
3rd	...	·170	...	·210	...	·280
4th	...	·100	...	·250	...	·220
5th	...	·120	...	·190	...	·240
6th	...	·160	...	·210	...	·240
7th	...	·170	...	·230	...	·190
8th	...	·180	...	·240	...	·190
9th	...	·270	...	·240	...	·280
10th	...	·210	...	·240	...	·240
11th	...	·340	...	·270	...	·270
12th	...	·150	...	·200	...	·300
13th	...	·140	...	·210	...	·290
14th	...	·150	...	·240	...	·300
15th	...	·140	...	·300	...	·240
16th	...	·250	...	·180	...	·280
17th	...	·250	...	·300	...	·280
18th	...	·230	...	·320	...	·300
19th	...	·200	...	·250	...	·250
20th	...	·200	...	·200	...	·260
21st	...	·250	...	·220	...	·260
22nd	...	·240	...	·130	...	·270
23rd	...	·240	...	·180	...	·250
24th	...	·220	...	·250	...	·300
25th	...	·250	...	·230	...	·240
26th	...	·220	...	·210	...	·220
27th	...	·230	...	·230	...	·180
28th	...	·200	...	·320	...	·250
29th	...	·280	...	...	...	·240
30th	...	·250	...	...	...	·330
31st	...	·220	...	...	...	·260
Total ...	...	6·450	...	6·480	...	8·060

XXII.

each day of the month for the year 1894.

April.		May.		June.		July.	
Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.
...	·240	...	·290	...	·380	·06	·270
...	·220	...	·240	...	·270	·02	·200
...	·290	...	·340	·34	·170	...	·270
...	·270	...	·280	·26	·200	..	·310
...	·280	...	·290	...	·350	...	·350
...	·230	...	·320	...	·250	...	·380
...	·350	...	·380	...	·270	·01	·180
...	·280	...	·390	...	·390	·16	...
...	·210		·360	.	·310	...	·170
·09	·200	...	·390	·31	·250	...	·200
...	·270	...	·300	·16	·170	...	·180
...	·360	·06	·330	·15	·220	·07	·170
...	·320	...	·330	..	·300	...	·360
...	·300	...	·420	...	·400	...	·300
...	·300	...	·330	...	...	·24	·370
...	·260	...	·260	·29	...	...	·200
	·310	...	·350	...	·100	...	·300
·13	·130	...	·340	...	·300	...	·400
1·11	·230	...	·370	...	·290	...	·300
...	·250	...	·330	·56	·200	·25	·230
...	·200	...	·320	·74	·270	...	·390
...	·310	...	·270	...	·480	...	·270
...	·370	...	·390	...	·310	..	·270
...	·350	...	·120	...	·350	...	·240
...	·310	...	·380	...	·340	...	·200
...	·280	...	·340	·13	·320	·09	·270
...	·250	...	·380	...	·290	·31	·260
...	·300	...	·380	...	·300	...	...
...	·280	...	·400	·62	·120	·90	·270
·05	·270	...	·350	...	·200	...	·260
...	...	...	·280	...	...	·20	·190
1·38	8·220	·06	10·250	3·56	7·800	2·31	7·760

TABLE

Rainfall and the amount of Evaporation for

Months.	August.		September.		October.	
Dates.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.
1st	·78	·200	...	·150	...	·180
2nd	..	·140	·40	·240	...	·150
3rd	·06	·320	·07	·250	...	·270
4th	...	·350	...	·260	...	·350
5th	...	·300	·05	·310	...	·180
6th	...	·250	...	·250	...	·270
7th	·05	·050	...	·260	...	·320
8th	...	·260	·93	·160	...	·330
9th	...	·360	·75	·120	·09	·110
10th	...	·320	·26	·200	·10	·210
11th	·17	·300	·13	·140	·10	·070
12th	...	·320	·09	·140	...	·200
13th	...	·370	·09	·135	·21	·230
14th	...	·310	·33	·140	...	·060
15th	·20	·260	2·68	·050	...	·160
16th	...	·090	·40	·280	·08	·250
17th	·14	·240	·06	·170	3·47	·100
18th	·45	·350	...	·220	·26	...
19th	...	·300	...	·250	8·73	...
20th	...	·230	...	·230	1·04	·310
21st	·15	·150	...	·260	·17	...
22nd		·230	...	·190	3·26	...
23rd	·43	...	·78	·280	1·90	...
24th	...	·290	...	·150	·84	·050
25th	...	·360	1·59	...	·17	·080
26th	·18	·240	·17	...	...	·180
27th	·08	·320	·05	...	...	·220
28th	.	·270	...	·260	...	·240
29th	...	·280	·02	·220	·97	·350
30th	...	·330	...	·170	...	·280
31st	...	·320	...	...	...	·170
Total	2·69	8·110	8·85	5·485	21·39	5·320

XXII.—(*Concluded.*)

each day of the month for the year 1894.

November.		December.			
Rainfall.	Amount of Evaporation.	Rainfall.	Amount of Evaporation.		
...	·200	...	·240		
·82	·270	...	·270		
·08	·160	...	·250		
·83	·150	...	·140		
1·31	·180	...	·200		
·12	·310	...	·210		
...	·220	...	·230		
...	·190	...	·270		
...	·320	...	·150		
...	·290	...	·230		
...	·200	...	·190		
...	·230	...	·240		
...	·290	...	·280		
...	·140	...	·280		
...	·220	...	·290		
...	·250	...	·250		
...	·260	...	·320		
...	·270	...	·300		
...	·160	...	·300		
...	·270	...	·170		
...	·270	...	·230		
...	·260	...	·230		
...	·300	...	·210		
...	·260	...	·270		
...	·250	...	·250		
...	·290	...	·170		
...	·270	...	·200		
...	·275	...	·250		
...	·260	...	·270		
...	·270	...	·240		
...	...	...	·270		
3·16	7·305	...	7·400	43·40	88·640

TABLE XXIII.

Normal Daily Rainfall.

Dates.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1st	...	...	...	...	...	·120	·214	·482	·310	·186	·376	·086
2nd	...	...	·024	...	·007	·150	·163	·285	·273	·083	·401	·010
3rd	·003	...	·079	·021	·052	·101	·170	·172	·239	·169	·104	·045
4th	·014	·028	...	...	·059	·157	·148	·029	·120	·301	·216	·041
5th	...	·014	...	·003	·007	·271	·127	·141	·152	·407	·499	·024
6th	·003	·007	·003	...	·069	·125	·055	·194	·194	·131	·381	·038
7th	...	...	...	...	·017	·017	·093	·138	·063	·334	·235	·038
8th	·003	...	·014	...	·028	·058	·150	·130	·288	·574	·079	·203
9th	·003	...	·007	·003	·064	·212	·261	·079	·371	·172	·140	·207
10th	...	·003	...	·010	·003	·053	·175	·206	·311	·390	·037	·034
11th	...	·014	...	...	·017	·192	·203	·234	·118	·164	·108	·041
12th	...	·028	...	...	·045	·212	·204	·154	·111	·507	·065	...

13th	·003	·026	...	...	·155	·105	·259	·056	·459	·471	·066	·007
14th	·052	...	·010	·003	·029	·212	·102	·197	·488	·281	·060	...
15th	...	...	·003	·080	·224	·285	·103	·083	·447	·369	·055	·017
16th	·079	·022	·003	·234	·103	·127	·109	·059	·203	·257	...	·020
17th	·045	046	·006	·021	·153	·094	·266	·250	·806	·600	·061	...
18th	·014	·007	·059	·015	·041	·057	·103	·205	·362	·614	·033	...
19th	...	·001	·024	·056	·117	·262	·126	·313	·344	·586	·181	·038
20th	·003	...	·014	...	·403	·209	·188	·070	·186	·498	·189	·052
21st	...	...	·003	·007	·093	·129	·190	·113	·230	·457	·217	...
22nd	·014	...	·003	·034	·086	·162	·305	·163	·227	·495	·165	...
23rd	·007	...	·003	·063	·079	·063	·146	·246	·090	·426	·183	...
24th	...	...	...	·048	·122	·103	·156	·070	069	·289	·130	·011
25th	...	...	·031	·092	·061	·106	·100	·203	·229	·341	·173	·024
26th	...	·002	...	·069	·017	·104	·073	·186	·182	·443	·162	·017
27th	·003	...	...	·003	·084	·131	·452	·172	248	·179	·045	·011
28th	·010	·007	·003	...	·086	·079	·031	·459	·403	·287	·028	·037
29th	31	...	·007	...	·146	·073	·041	·217	·252	·527	·076	·003
30th	...	...	·052	·005	·036	·164	·091	·384	...	·547	·093	...
31st	...	...	·021	...	·083	...	·040	·119	...	·527	...	...
Total for the month ...	·287	·205	·369	·567	2·486	4·133	4·844	5·809	7 781	11·612	4·558	1·004

TABLE XXIV.

Monthly and Annual Rainfall at Vizagapatam.

Years.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Novr.	Decr.	Year.
1866	...	1·6	...	1·1	...	2·8	2·5	6·9	4·1	17·0	1·9	...	37·9
1867	...	...	...	·9	3·4	8·6	6·5	7·6	9 1	17·7	·5	..	54·3
1868	...	...	...	·3	3·6	14·2	2·9	5·9	4·6	·3	...	...	31·8
1869	·1	...	...	·1	·8	10·9	6 6	10·7	4·6	7·1	2·4	·3	43·6
1870	3·0	...	...	·8	·1	7·9	4·1	5·1	16 1	19·9	3·3	...	60·3
1871	·1	1·1	2·9	7·6	2·4	3·1	2·3	3·7	3·2	·3	·5	·1	27·3
1872	...	...	...	·1	1·5	6·0	9·2	8·8	7·6	13·2	3·5	4·0	53·9
1873	...	...	...	·1	3·6	1·9	9·2	10·2	3·7	17·6	1·5	4·4	52·2
1874	·4	...	...	...	2·1	3·0	4·7	3·1	9·8	21·0	3·3	·5	47·9
1875	·1	·1	...	...	1·9	1·1	3·4	3·3	9·9	9·0	·1	·1	29.0
1876	...	...	...	...	1·5	2·0	3·8	5·6	6·4	19·2	2·3	·7	40·8
1877	1·6	1·6	1·6	...	13·2	1·3	3·7	3·6	9 5	3·3	·7	...	40·1
1878	...	...	·8	·1	2·5	2 9	9·5	5·5	6·7	15·6	6·8	25·8	76·2

1879 ...	...	...	...	...	·1	...	14·5	2·1	3·0	2·5	4·0	4·6	13·5	·2	44·5
1880 ...	...	...	·5	·6	...	2·1	4·5	3·4	8·9	5·1	1·7	11·4	10·5	1·4	50·1
1881 ...	...	...	...	...	·7	·2	1·4	8·6	2·7	7·5	5·8	4·3	4·8	·1	36·1
1882 ...	...	...	·1	...	...	...	2·4	1·0	4·9	3·1	17·8	2·7	12·6	2·3	46·9
1883 ...	...	...	·9	...	...	...	·7	1·9	2·8	11·9	6·3	12·9	5·4	1·1	43·9
1884 ...	...	...	·9	·6	...	·1	·6	4·0	2·9	11·5	10·0	6.0	...	...	36·6
1885 ...	...	...	·3	...	1·9	...	·3	3·0	3·7	3·8	13·2	8·2	7·4	2·8	44·6
1886 ...	...	...	..	...	·2	...	5·0	3·2	7·5	13·7	5·2	30·2	12·0	2·5	79.5
1887 ...	...	...	...	...	·4	...	1·1	8·8	6·3	5·8	6·2	11·7	3·3	...	43·6
1888 ...	...	...	...	...	·4	...	3·2	1·6	3·3	1·7	1·2	6·0	14·3	...	31·7
1889 ...	...	...	...	...	...	·1	·8	3·8	8·5	3·5	14·8	12·47	3·28	2·86	50·11
1890 ...	...	...	...	...	·19	2·17	2·01	5·69	3·71	4·23	5·74	7·31	4·82	·58	36·45
1891 ...	...	...	..	·09	·28	·50	1·58	3·16	3·74	4·17	3·42	1·50	·11	·30	18·85
1892 ...	...	...	..	...	...	...	·27	3·13	4·99	12·42	8·17	28·24	2·37	...	59·59
1893 ...	...	...	·40	·52	1·20	4·61	1·06	2·79	5·76	2·39	22·03	5·12	10·72	...	56·60
1894 ...	...	...	...	...	...	1·38	·06	3·56	2·31	2·69	8·85	21·39	3 16	...	43 40
Mean ...	...	...	·29	·21	·37	·77	2·62	4·33	4·95	6 07	7·92	11·56	4·66	1·68	45·43

TABLE

Summer (April to September) and

Years.	Summer.	Winter.
1866	17·4	20·5
1867	36·1	18·2
1868	31·5	·3
1869	33·7	9·9
1870	34·1	26·2
1871	22·3	5·0
1872	33·2	20·7
1873	28·7	23·5
1874	22·7	25·2
1875	19·6	9·4
1876	19·3	21·5
1877	31·3	8·8
1878	27·2	49·0
1879	26·1	18·4
1880	25·7	24·4

XXV.

Winter (October to March) Rainfall.

Years.	Summer.	Winter.
1881	26·2	9·9
1882	29·2	17·7
1883	23·6	20·3
1884	29·1	7·5
1885	24·0	20·6
1886	34·6	44·9
1887	28·2	15·4
1888	11·0	20·7
1889	31·5	18·61
1890	23·55	12·90
1891	16·57	2·28
1892	28·98	30·61
1893	38·64	17·96
1894	18·85	24·55
Mean	26·66	18·77

TABLE XXVI.

Number of Days on which Rain fell in 29 years from 1866 to 1894.

Years.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Novr.	Decr.	Years.
1866	...	2	...	2	...	3	6	10	9	14	4	...	50
1867	...	...	...	2	4	6	11	10	10	12	2	...	57
1868	...	...	...	2	4	11	10	8	8	2	...	...	45
1869	1	...	...	1	1	9	9	8	9	15	4	1	58
1870	3	...	...	1	1	13	11	13	14	17	3	...	76
1871	1	3	2	4	7	3	10	11	13	2	1	1	58
1872	...	...	...	1	6	10	16	14	14	13	5	3	82
1873	...	...	...	1	3	4	15	11	5	20	4	2	65
1874	2	...	...	...	5	10	9	12	15	14	3	1	71
1875	1	1	...	...	7	4	6	7	11	10	1	1	49
1876	...	...	...	...	3	6	7	13	13	6	2	...	50
1877	2	5	2	...	6	5	8	9	10	9	2	...	58
1878	...	...	2	1	7	4	10	16	12	14	11	7	84

1879	...	...	1	...	8	4	7	8	15	7	9	1	60
1880	2	1	...	4	9	9	16	13	10	13	11	2	90
1881	...	...	3	1	3	15	7	13	14	3	6	1	66
1882	1	...	...	...	6	2	13	7	13	9	11	1	63
1883	1	...	...	...	1	7	10	12	9	10	3	1	54
1884	1	1	...	1	1	7	9	10	13	7	...	...	50
1885	2	...	3	...	1	8	10	8	11	9	5	4	61
1886	...	...	1	...	7	7	12	16	10	23	8	4	88
1887	...	...	1	...	3	8	11	6	8	14	5	...	56
1888	...	...	1	...	2	3	7	8	5	5	11	...	42
1889	...	...	...	1	3	8	14	12	10	20	6	5	79
1890	...	...	3	1	2	9	13	12	11	7	7	1	66
1891	...	3	2	1	5	5	12	16	15	5	2	1	67
1892	...	...	...	...	2	5	10	13	14	17	1	...	62
1893	1	4	2	3	6	7	17	11	14	11	10	...	86
1894	...	...	...	4	1	10	11	11	18	15	5	...	75
Mean	·6	·6	·8	1	4	7	10·6	11·1	11·5	11	5	1·3	64·4

TABLE XXVII.

Wind and Rain Limits of N.-E. Monsoon for 28 years from 1867 to 1894.

Years.	North-Easterly Winds.				First Rain with North-Easterly Winds.					
	Began.	Variation from normal.	Ended.	Variation from normal.	Began.	Variation from normal.	Ended.	Variation from normal.	Inches.	Variation from normal.
		Days.		Days.		Days.		Days.		
1867 ...	Oct. 7th	17 late	Oct. 24th	7 late	Oct. 11th	11 late	Oct. 18th	13 late	9·2	+ 2·2
1868 ..	Aug. 28th	33 early	Sept. 8th	39 early	Aug. 28th	33 early	Aug. 31st	35 early	4·0	− 3·0
1869 ...	Oct. 1st	1 late	Oct. 17th	normal	Oct. 1st	1 late	Oct. 8th	3 late	4·2	− 2·8
1870 ...	Sept. 7th	23 early	Oct. 17th	normal	Sept. 9th	21 early	Sept. 29th	6 early	15·5	+ 8·5
1871 ...	Aug. 18th	43 early	Sept. 26th	21 early	Aug. 25th	36 early	Sept. 9th	26 early	3·5	− 3·5
1872 ...	Aug. 29th	32 early	Sept. 14th	34 early	Aug. 29th	32 early	Sept. 2nd	33 early	2·9	− 4·1
1873 ...	Aug. 15th	46 early	Sept. 28th	19 early	Aug. 22nd	39 early	Aug. 28th	38 early	8·8	+ 1·8
1874 ...	Aug. 30th	31 early	Oct. 17th	10 early	Sept. 8th	22 early	Sept. 24th	11 early	7·0	·0
1875 ..	Aug. 23rd	38 early	Sept. 27th	20 early	Aug. 24th	37 early	Sept. 19th	16 early	9·8	+ 2·8
1876 ...	Aug. 16th	45 early	Sept. 26th	21 early	Aug. 23rd	38 early	Sept. 16th	19 early	9·0	+ 2·0
1877 ...	Sept. 2nd	28 early	Oct. 15th	2 early	Sept. 2nd	28 early	Sept. 7th	28 early	8·2	+ 1·2

1878	...	Sept. 27th	3 early	Oct. 29th	12 late	Sept. 27th	3 early	Oct. 18th	13 late	8·8	+ 1·8
1879	...	Oct. 20th	20 late	Nov. 25th	39 late	Oct. 30th	30 late	Nov. 1st	27 late	3·7	− 3·3
1880	...	Oct. 10th	10 late	Oct. 17th	normal	Oct. 10th	10 late	Oct. 15th	10 late	7·7	+ 0·7
1881	...	Aug. 4th	57 early	Aug. 15th	63 early	Aug. 4th	57 early	Oct. 4th	1 early	5·2	− 1·8
1882	...	Aug. 27th	34 early	Sept. 7th	40 early	Aug. 29th	32 early	Sept. 7th	28 early	5·3	− 1·7
1883	...	Oct. 13th	13 late	Oct. 19th	2 late	Oct. 13th	13 late	Oct. 18th	13 late	3·4	− 3·6
1884	...	Sept. 19th	11 early	Sept. 21st	26 late	Sept. 19th	11 early	Sept. 21st	14 early	2·8	− 4·2
1885	...	Oct. 20th	20 late	Oct. 24th	7 late	Oct. 20th	20 late	Oct. 23rd	18 late	4·9	− 2·1
1886	...	Aug. 12th	49 early	Aug. 18th	60 early	Aug. 12th	49 early	Aug. 18th	48 early	5·1	− 1·9
1887	...	Oct. 8th	8 late	Oct. 14th	3 early	Oct. 8th	8 late	Oct. 13th	8 late	6·8	− 0·2
1888	...	Oct. 14th	14 late	Oct. 19th	2 late	Oct. 30th	30 late	Nov. 7th	33 late	16·3	+ 9·3
1889	...	Sept. 15th	15 early	Sept. 19th	11 early	Sept. 16th	14 early	Sept. 19th	11 early	11·9	+ 4·9
1890	...	Sept. 17th	13 early	Sept. 24th	6 early	Sept. 17th	13 early	Sept. 24th	6 early	2·84	− 4·16
1891	...	Oct. 9th	9 late	Oct. 25th	8 late	Oct. 11th	11 late	Nov. 8th	29 late	1·31	− 5·69
1892	...	Aug. 19th	42 early	Aug. 28th	50 early	Aug. 21st	42 early	Aug. 28th	38 early	3·04	− 3·96
1893	...	Oct. 8th	8 late	Oct. 17th	normal	Oct. 11th	11 late	Oct. 17th	12 late	4·13	− 2·87
1894	...	Oct. 8th	8 late	Oct. 11th	6 early	Oct. 9th	9 late	Oct. 11th	6 late	1·19	− 5·81

TABLE XXVII.—(*Concluded.*)

Wind and Rain Limits of N.-E. Monsoon for 28 years from 1867 to 1894.

Years.	Second Rain with North-Easterly Winds.						Total Rain During the North-Easterly Winds.	
	Began.	Variation from normal.	Ended.	Variation from normal.	Inches.	Variation from normal.	Inches.	Variation from normal.
		Days.		Days.				
1867	Oct. 26th	9 late	Nov. 3rd	17 early	7·7	− 1·4	16·9	+ 0·8
1868	Sept. 8th	39 early	Sept. 12th	69 early	2·4	− 6·7	6·4	− 9·7
1869	Oct. 17th	normal	Nov. 26th	6 late	5·0	− 4·1	9·2	− 6·9
1870	Oct. 17th	normal	Nov. 5th	15 early	21·7	+ 12·6	37·2	+ 21·1
1871	Sept. 26th	21 early	Sept. 29th	52 early	1·6	− 7·5	5·1	− 11·0
1872	Sept. 14th	33 early	Oct. 20th	31 early	18·7	+ 9·6	21·6	+ 5·5
1873	Sep. 30th	17 early	Oct. 27th	24 early	20·0	+ 10·9	28·8	+ 12·7
1874	Oct. 8th	9 early	Nov. 5th	15 early	24·1	+ 15·0	31·1	+ 15·0
1875	Oct. 5th	12 early	Nov. 1st	19 early	9·1	·0	18·9	+ 2·8
1876	Sept. 26th	21 early	Oct. 13th	38 early	20·0	+ 10·9	29·0	+ 12·9
1877	Oct. 30th	33 early	Nov. 1st	19 early	1·6	− 7·5	9·8	− 6·3

1878	...	...	Oct. 28th	11 late	Dec. 10th	20 late	41·9	+ 32·8	50·7	+ 34·6
1879	...	...	Nov. 19th	33 late	Nov. 25th	5 late	12·6	+ 3·5	16·3	+ 0·2
1880	...	...	Oct. 17th	normal	Dec. 3rd	13 late	15·1	+ 6·0	22·8	+ 6·7
1881	...	...	Oct. 4th	13 early	Dec. 31st	41 late	8·7	− 0·4	13·9	− 2·2
1882	...	...	Oct. 7th	10 early	Dec. 10th	20 late	14·8	+ 5·7	20·1	+ 4·0
1883	...	...	Oct. 24th	7 late	Dec. 4th	14 late	15·8	+ 6·7	19·2	+ 3·1
1884	...	...	Oct. 25th	2 early	Oct. 24th	27 early	5·5	− 3·6	8·3	− 7·8
1885	...	...	Nov. 2nd	16 late	Nov. 6th	14 early	7·4	− 1·7	12·3	− 3·8
1886	...	...	Oct. 10th	7 early	Oct. 20th	31 early	23·5	+ 14·4	28·6	+ 12·5
1887	...	...	Oct. 23rd	6 late	Nov. 5th	15 early	6·4	− 2·7	13·2	− 2·9
1888	...	...	Nov. 8th	22 late	Nov. 14th	6 early	2·6	− 6·5	18·9	+ 2·8
1889	...	...	Oct. 12th	5 early	Oct. 20th	31 early	7·4	− 1·7	19·3	+ 3·2
1890	...	...	Nov. 3rd	17 late	Nov. 7th	13 early	4·65	− 4·45	7·49	− 8·61
1891	...	...	Dec. 2nd	47 late	Dec. 2nd	14 late	1·3	− 7·7	2·61	− 13·49
1892	...	...	Oct. 15th	20 late	Oct. 21st	30 early	10·35	+ 1·25	13·39	− 2·71
1893	...	...	Nov. 5th	19 late	Nov. 13th	7 early	10·65	+ 1·55	14·78	+ 1·32
1894	...	...	Oct. 15th	2 early	Oct. 24th	27 early	19·94	+ 10·84	21·33	+ 5·23

TABLE XXVIII.

Total Rainfall during 25 years, from 1870 to 1894, tabulated under the eight principal points of the compass according to direction from which it was received.

Months.	Total Rainfall.								
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Total.
January	·9	2·30	2·40	1·70	...	...	·50	·50	8 30
February	·21	·20	1·30	·25	...	·39	1·86	·40	4·61
March	·30	·40	·50	1·97	3·60	1·12	2·08	·70	10 67
April	·93	...	·70	7·40	3·36	·23	3·60	3·64	19·86
May	2·18	9·68	8·80	9·50	3·15	9 76	22·91	2 30	68·28
June	1·25	1·52	3·94	3·56	4·77	19·96	42·97	11·51	89 48
July	1·66	·39	1·30	8·93	6·39	20 51	71·99	12·18	123·35
August	7·52	1·13	10·14	6·76	5·42	27 95	64·37	18 90	142·19
September	13·59	11·41	12·52	9·94	14·32	26·89	76·84	43·81	209·32
October	34·46	70·91	57·11	24·55	9·35	11 57	32·57	52·52	293 04
November	28·45	39·15	18·25	8·10	5·10	1·50	7·39	16·24	124·18
December	2·90	14·86	13·30	6·10	1·30	1·00	1·60	7 98	49·04
Yearly mean	3·77	6·08	5·21	3·55	2·27	4·84	13·15	6·83	45·69

TABLE XXIX.

Number of Rainy days during 25 years, from 1870 to 1894, tabulated under the eight principal points of the compass according to direction from which rain was received.

Months.	Rainy Days.								
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Total.
January	2	4	3	2	...	...	4	2	17
February	1	1	2	3	1	7	3	...	5
March	1	1	2	3	7	4	4	1	27
April	1	...	2	2	4	1	11	5	26
May	4	9	9	8	4	22	37	12	106
June	5	5	9	7	13	45	72	19	174
July	4	5	3	10	8	60	145	24	269
August	10	7	15	17	18	51	128	36	282
September	17	15	21	21	29	40	107	47	297
October	26	48	52	23	18	17	50	43	277
November	30	33	22	7	2	5	17	16	132
December	3	16	7	1	1	1	2	6	36
Yearly mean	4·2	5·8	5·9	4·2	4·2	10·5	23·2	8·4	66·4

TABLE XXX.

Number of winds observed at 4 *and* 10 A.M. *and* 4 *and* 10 P.M. *during* 25 *years, from* 1870 *to* 1894, *tabulated under the eight principal points of the compass with their resultant direction and percentage.*

Months.	4-HOUR.									
	Directions.								Resultants.	
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Directions.	Percentage.
January ...	40	111	166	127	77	65	117	72	N. 70° 12′ W.	16·5
February ...	19	26	52	91	106	134	226	52	N. 49° 24′ W.	41·5
March ...	1	16	7	61	104	169	368	49	S. 64° 31′ W.	65·8
April ...	2	2	7	23	82	231	375	28	S. 65° 55′ W.	77·9
May ...	7	9	21	36	92	261	319	30	S. 38° 50′ W.	97·1
June ...	6	5	7	25	75	210	387	35	S. 68° 45′ W.	76 1
July ...	2	2	4	13	40	196	471	47	S. 74° 17′ W.	81·5
August ...	10	3	10	24	36	172	451	69	S 79° 16′ W.	78·7
September ...	13	14	23	27	55	152	389	77	S. 78° 9′ W.	67·7
October ...	57	95	119	69	49	97	203	86	N. 7° 51′ E.	23·3
November ...	126	196	169	52	15	22	82	88	N. 35° 25′ E.	42·4
December ...	102	207	201	68	21	18	71	87	N. 69° 36′ E.	57·4
Yearly mean	15·4	27·4	31·4	24·6	30·1	69·1	138·4	28·8	S. 73° 32′ W.	60·5

TABLE XXX.—(*Continued.*)

Number of winds observed at 4 *and* 10 A.M. *and* 4 *and* 10 P.M. *during* 25 *years, from* 1870 *to* 1894, *tabulated under eight principal points of the compass with their resultant direction and percentage.*—(*Continued.*)

Months.	10-HOUR.									
	Directions.								Resultants.	
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Directions.	Percentage.
January ...	85	98	108	86	65	68	191	74	S. 52° 59′ E.	83·0
February ...	19	31	59	101	108	109	249	30	N. 45° 5′ W.	38·9
March ...	5	5	26	94	168	205	246	27	S. 41° 45′ W.	60·8
April ...	2	4	9	68	202	245	201	19	S. 39° 9′ W.	69·6
May ...	2	12	24	74	219	219	212	13	S. 37° 17′ W.	62·0
June ...	4	5	20	52	140	180	317	32	S. 56° 2′ W.	65·3
July ...	3	3	16	20	73	214	410	46	S. 71° 14′ W.	76·5
August ...	6	12	25	42	56	159	405	70	S. 75° 7′ W.	67·2
September ...	9	20	47	71	68	126	349	60	S. 69° 0′ W.	52·7
October ...	92	101	101	79	55	67	187	83	S. 39° 8′ E.	11·8
November ...	178	198	137	49	22	28	63	75	N. 30° 50′ E.	45·7
December ...	165	191	157	57	20	24	86	75	N. 47° 39′ E.	43·6
Yearly mean	22·8	26·8	29·2	32	47·4	65·8	116·4	24·2	S. 62° 23′ W.	56·4

TABLE XXX.—*(Continued.)*

Number of winds observed at 4 *and* 10 A.M. *and* 4 *and* 10 P.M. *during* 25 *years, from* 1870 *to* 1894, *tabulated under eight principal points of the compass with their resultant direction and percentage.*—*(Continued.)*

Months.	16-HOUR.									
	Directions.								Resultants.	
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Directions.	Percentage.
January ...	25	89	211	253	137	37	13	10	N. 58° 43′ W.	61·3
February ...	4	23	68	203	291	80	34	3	N. 16° 51′ W.	69·1
March ...	1	4	26	137	371	153	74	9	S. 0° 38′ W.	73·4
April ...	2	1	10	101	326	209	95	6	S. 17° 2′ W.	75 1
May ...	3	3	15	124	296	220	100	14	S. 29° 12′ W.	66·2
June ...	1	11	17	91	216	189	196	29	S. 35° 22′ W.	60·1
July ...	5	5	12	47	149	240	277	40	S. 53° 31′ W.	68·3
August ...	5	9	24	58	167	236	224	52	S. 62° 17′ W.	62·3
September ...	10	16	54	85	200	183	164	38	S. 29° 43′ W.	52·4
October ...	49	107	185	138	129	68	64	35	S. 60° 30′ E.	32 8
November ...	99	213	268	85	38	14	10	23	N. 70° 8′ E.	62·7
December ...	66	218	272	116	43	19	17	24	N. 32° 36′ E.	42·2
Yearly mean	10·8	28	46·5	57·5	94·5	66	50·7	11·3	S. 0° 38′ E.	60·5

TABLE XXX.—(*Concluded.*)

Number of winds observed at 4 *and* 10 A.M. *and* 4 *and* 10 P.M. *during* 25 *years, from* 1870 *to* 1894, *tabulated under eight principal points of the compass with their resultant direction and percentage.*—(*Concluded.*)

Months.	22-HOUR.									
	Directions.								Resultants.	
	N.	N.-E.	E.	S.-E.	S.	S.-W.	W.	N.-W.	Directions.	Percentage.
January ...	33	126	207	161	82	76	54	36	S. 69° 46′ W.	38·0
February ...	9	37	75	119	121	160	160	25	S. 21° 41′ W.	40·4
March ...	11	2	16	67	143	206	297	33	S. 53° 11′ W.	64·7
April ...	...	4	12	28	109	267	296	34	S. 58° 29′ W.	74·1
May ...	3	10	24	50	128	258	253	49	S. 53° 17′ W.	64·9
June ...	5	5	18	46	78	215	325	52	S. 64° 42′ W.	67·8
July ...	7	5	15	18	59	206	396	69	S. 75° 39′ W.	74·4
August ...	6	12	26	31	65	172	388	75	S. 74° 26′ W.	67·8
September ...	14	21	30	54	68	170	323	70	S. 70° 3′ W.	53·1
October ..	52	120	166	96	67	86	117	71	S. 56° 24′ W.	11·7
November ...	102	234	238	77	17	19	23	40	N. 61° 48′ E.	59·4
December ...	73	223	265	98	23	20	29	44	N. 77° 55′ E.	60·8
Yearly mean	12·6	32	43·7	33·8	38·4	74·2	106·4	23·9	S. 53° 48′ W.	56·8

TABLE XXXI.

Spectroscopic and other observations on rainy days during the year 1894.

Month and Date.	Rainfall of previous 24 hours measured at 8 A.M.	Rainband at 10 A.M. previous day.	Previous 24 hours ending 4 A.M.			Ozone 10 A.M. previous day.
			Mean Pressure.	Mean difference between dry and wet bulbs.	Mean Humidity.	
	″	Tints.	″	°	Per cent.	Tints.
April 10th ...	0·09	3·0	29·732	7·1	72	1·5
,, 18th ...	0·13	1·5	29·745	8·4	68	0·5
,, 19th ...	1·11	3·0	29·772	8·0	67	0 5
,, 30th ...	0·05	1·0	29·630	8·9	65	1 0
May 12th ...	0·06	3·0	29·767	8·0	69	1·0
June 3rd ...	0·34	2·5	29·579	6·0	76	1·0
,, 4th ...	0·26	1·5	29·565	9·1	66	1 0
,, 10th ...	0·31	0·5	29·661	8·3	69	0·5
,, 11th ...	0·16	4·5	29·660	7·2	72	1·0
,, 12th ...	0·15	4·6	29·637	7·0	72	0·5
,, 16th ...	0·29	4·0	29 548	5·8	76	1·0
,, 20th ...	0·56	2·5	29·538	7·3	72	1·0
,, 21st ...	0·74	3·0	29·503	6·3	75	0·5
,, 26th ...	0 13	1·0	29·590	8·2	69	0·5
,, 29th ...	0·62	2·0	29·591	7·2	72	1·0
July 1st ...	0·06	4·0	29·646	6·9	72	0·5
,, 2nd ...	0 02	4 0	29 626	6·0	76	0 5
,, 7th ...	0 01	1·5	29 666	8 3	69	0·5
,, 8th ...	0·16	4·5	29·651	7·0	72	1·0
,, 12th ...	0·07	4·0	29 574	7·0	72	0·5
,, 15th ...	0 24	0·5	29·650	7·6	68	0·5
,, 20th ...	0·25	3·5	29·507	6·4	75	0·5
,, 26th ...	0·09	3·0	29·550	10·1	61	1·0
,, 27th ...	0·31	1·0	29·594	8·3	68	1·0

TABLE XXXI.—(*Continued.*)

Spectroscopic and other observations on rainy days during the year 1894.—(*Continued.*)

Month and Date.	Rainfall of previous 24 hours measured at 8 A.M.	Rainband at 10 A.M. previous day.	Previous 24 hours ending 4 A.M.			Ozone 10 A.M. previous day.
			Mean Pressure.	Mean difference between dry and wet bulbs.	Mean Humidity.	
	"	Tints.	"	°	Per cent.	Tints.
July 29th ...	0·90	2·0	29·636	5·9	76	0·5
,, 31st ...	0·20	1·5	29·680	6·0	76	0·5
August 1st ...	0·78	1·0	29·678	5·3	79	0·5
,, 3rd ...	0·06	3·5	29·684	5 1	79	0·5
,, 8th ...	0·05	4·5	29·525	6·9	72	0·5
,, 11th ...	0·17	0·5	29·580	6·5	74	1·0
,, 15th ...	0·20	1·0	29·546	7·2	72	1·0
,, 17th ...	0·14	5·0	29·528	7·1	72	1·0
,, 18th ...	0·45	1·0	29·518	8·8	65	0·5
,, 21st ...	0·15	4·5	29·616	6·4	75	0·5
,, 23rd ...	0·43	1·5	29·723	6·0	76	1·0
,, 26th ...	0·18	3·0	29·746	8·2	68	0·5
,, 27th ...	0·08	0·5	29·740	5·8	76	0·5
Sept. 2nd ...	0·40	2·0	29·697	5·9	76	0·5
,, 3rd ...	0·07	3·0	29·673	5·8	75	0·5
,, 5th ...	0·05	1·0	29·764	6·2	76	0·5
,, 8th ...	0·93	1·0	29·676	6·7	72	1·0
,, 9th ...	0·75	2·5	29·683	5·5	77	1·0
,, 10th ...	0·26	2·0	29·661	5·4	79	1·5
,, 11th ...	0·13	1·0	29·646	5·1	79	1·0
,, 12th ...	0·09	1·5	29·710	5·1	79	1·0
,, 13th ...	0·09	2·0	29·731	5·1	79	1·0
,, 14th ...	0·33	2·0	29·666	5·1	79	0·5
,, 15th ...	2·68	2·5	29·631	4·8	79	0·5
,, 16th ...	0·40	3·5	29·649	4·5	83	0·5

TABLE XXXI.—(*Concluded.*)

Spectroscopic and other observations on rainy days during the year 1894.—(*Concluded.*)

Month and Date.	Rainfall of previous 24 hours measured at 8 A.M.	Rainband at 10 A.M. previous day.	Previous 24 hours ending 4 A.M.			Ozone 10 A.M. previous day.
			Mean Pressure.	Mean difference between dry and wet bulbs.	Mean Humidity.	
	″	Tints.	″	°	Per cent.	Tints.
Sept. 17th ...	0·06	1·5	29·710	4·5	81	1·0
,, 23rd ...	0·78	2·5	29·658	8·0	76	0
,, 25th ...	1·59	3·0	29·631	5·4	79	0
,, 26th ...	0·17	2·5	29·636	4·1	83	1·5
,, 27th ...	0·05	3·5	29·621	3·7	83	0·5
,, 29th .	0·02	1·0	29·655	4·8	79	1·0
October 9th ...	0·09	1·5	29·794	7·0	72	0·5
,, 10th ...	0·10	3·5	29·804	4·9	79	0·5
,, 11th ...	0·10	3·0	29·810	4·8	79	1·0
,, 13th ...	0·21	1·5	29·800	6·8	75	1·0
,, 16th ...	0·08	0·5	29·783	4·4	83	0·5
,, 17th ...	3·47	1·5	29·809	4·5	81	0
,, 18th ...	0·26	3·5	29·840	3·4	87	1·0
,, 19th ...	8·73	4·0	29·861	3·1	87	1·0
,, 20th ...	1·04	3·5	29·867	2·9	87	1·0
,, 21st ...	0·17	2·5	29·851	3 9	82	0·5
,, 22nd ...	3·26	4·5	29·860	2·8	87	0·5
,, 23rd ...	1·90	4·0	29·873	3·1	87	1·0
,, 24th ...	0·84	3·5	29·867	3·0	87	1·0
,, 25th ...	0·17	3·5	29·876	2·4	91	0·5
,, 29th . .	0·97	1·0	29·872	4·5	81	0·5
Novr. 2nd ...	0·82	3·5	29·700	4·3	82	1·0
,, 3rd ...	0·08	2·5	29·746	2·3	91	1·0
,, 4th ...	0·83	2·5	29·827	3·2	87	0·5
,, 5th ...	1·31	2·5	29·875	2·9	87	0·5
,, 6th ...	0·12	3·5	29·926	1·6	91	0·5

TABLE XXXII.

Observations of Crops and Trees in 1894.

Grain, &c.					Green Crops.				Fruit Trees.		
Names.	When sown.	In flower.	In ear.	When cut.	Names.	When sown	Above ground.	Stored.	Names.	In Blossom.	Fruit Ripe.
Paddy ...	10th Aug.	5th Oct.	16th Oct.	5th Dec.	Chilly ...	15th Oct.	25th Oct.		Mango tree...	31st Jan.	20th May
Raggy ...	5th July	20th Aug.	1st Sept.	30th Sept.	Onions ...	10th Mar.	15th Mar.	20th May 1894.	Sapodilla ...	20th June	20th Aug.
Cumboo...	20th June	20th Aug.	25th Aug.	20th Sept.	Yam ...	20th Aug.	5th Sept.		Bullock heart apple ...	10th Dec.	10th April
Gingily ...	20th May	10th July	30th June	1st Sept.	Sugarcane	1st Mar.	15th Mar.	1st Dec.	Jack fruit ...	25th Nov.	20th May
Cholam ...	30th Oct.	20th Nov.	1st Sept.	26th Jany. 1895.	Cotton ...	1st June	8th June	25th Sept.	Tamarind ...	20th April	31st Dec.
Gram ...	20th Oct.	15th Jan. 1895.	25th Nov.	20th Feb. 1895.					Custard apple	20th May	15th Sept.
									Cashewnut ...	20th Dec.	5th April
									Wood apple...	10th June	15th Nov.
									Pine apple ...	5th Feb.	30th June
									Mangosteen.	15th Mar.	20th June

TABLE XXXIII.

Table showing the Harvest for 28 *years, from* 1867 *to* 1894.

(Full Harvest =16).

Years.	Paddy.	Raggy.	Cumboo.	Gingily.	Cholam	Gram
1867	16	13	14	12	15	15
1868	12	15	12	12	13	14
1869	14	11	12	14	14	13
1870	16	9	13	8	15	16
1871	16	12	15	13	15	14
1872	14	14	16	11	15	16
1873	12	13	11	12	11	13
1874	15	10	15	10	14	12
1875	13	11	14	12	14	14
1876	11	8	11	13	10	13
1877	14	6	9	7	15	12
1878	16	4	11	8	12	10
1879	14	5	12	12	9	14
1880	14	10	10	6	8	14
1881	11	10	13	7	8	4
1882	10	9	12	7	8	14
1883	11	12	10	4	9	13
1884	5	14	12	4	8	9
1885	6	10	11	4	11	12
1886	14	10	10	4	6	4
1887	15	10	8	4	14	3
1888	4	8	8	4	12	8
1889	12	7	7	6	8	8
1890	10	8	8	8	4	6
1891	4	6	8	8	1	4
1892	11	7	9	6	6	5
1893	12	10	10	11	5	7
1894	11	6	6	3	4	4

Mean time of the apparent Rising and Setting of the Sun in the latitude of Vizagapatam for every 10th day in the year.

Date.	Rising.	Setting.	Date.	Rising.	Setting.
	H. M.	H. M.		H. M.	H. M.
January 1 ...	6 32·5	5 35 0	July 10 ...	5 32·4	6 37·3
„ 11 ...	6 35·2	5 41·1	„ 20 ...	5 35·7	6 35·9
„ 21 ...	6 35·9	5 47 3	„ 30 ...	5 39·0	6 33·0
„ 31 ...	6 34·5	5 53·0	August 9 ...	5 42·0	6 28·4
February 10 ...	6 31 3	5 58·1	„ 19 ...	5 44·5	6 22·5
„ 20 ...	6 26·4	6 2·1	„ 29 ...	5 46·5	6 15·2
March 2 ...	6 20·0	6 5·3	Sept. 8 ...	5 48·0	6 7·1
„ 12 ...	6 12·7	6 7·9	„ 18 ...	5 49·5	5 58 8
„ 22 ...	6 4·6	6 10·0	„ 28 ...	5 51·0	5 50·4
April 1 ...	5 56·6	6 11·9	October 8 ...	5 53·0	5 42·3
„ 11 ...	5 48·8	6 13·9	„ 18 ...	5 55·3	5 35·1
„ 21 ...	5 41·6	6 16·1	„ 28 ...	5 58·6	5 29·1
May 1 ...	5 35 4	6 18·8	Nov. 7 ...	6 2·7	5 24·6
„ 11 ...	5 30·5	6 21·9	„ 17 ...	6 7·7	5 22·1
„ 21 ...	5 27·2	6 25·4	„ 27 ...	6 13·5	5 21·7
„ 31 ...	5 25·5	6 29 1	Dec. 7 ...	6 19 6	5 23·4
June 10 ...	5 25·4	6 32·5	„ 17 ...	6 25·5	5 27·0
, 20 ...	5 26·7	6 35·2	„ 27 ...	6 30·4	5 31·9
„ 30 ...	5 29·0	6 36·7	„ 31 ...	6 32·0	5 34·2

The intermediate days to be supplied by interpolation.

PRESENTATIONS RECEIVED.

Received from the Meteorological Reporter to the Government of India :—

Indian Meteorological Memoirs, Vols. V, Parts 4–5; and VI, Part 1.

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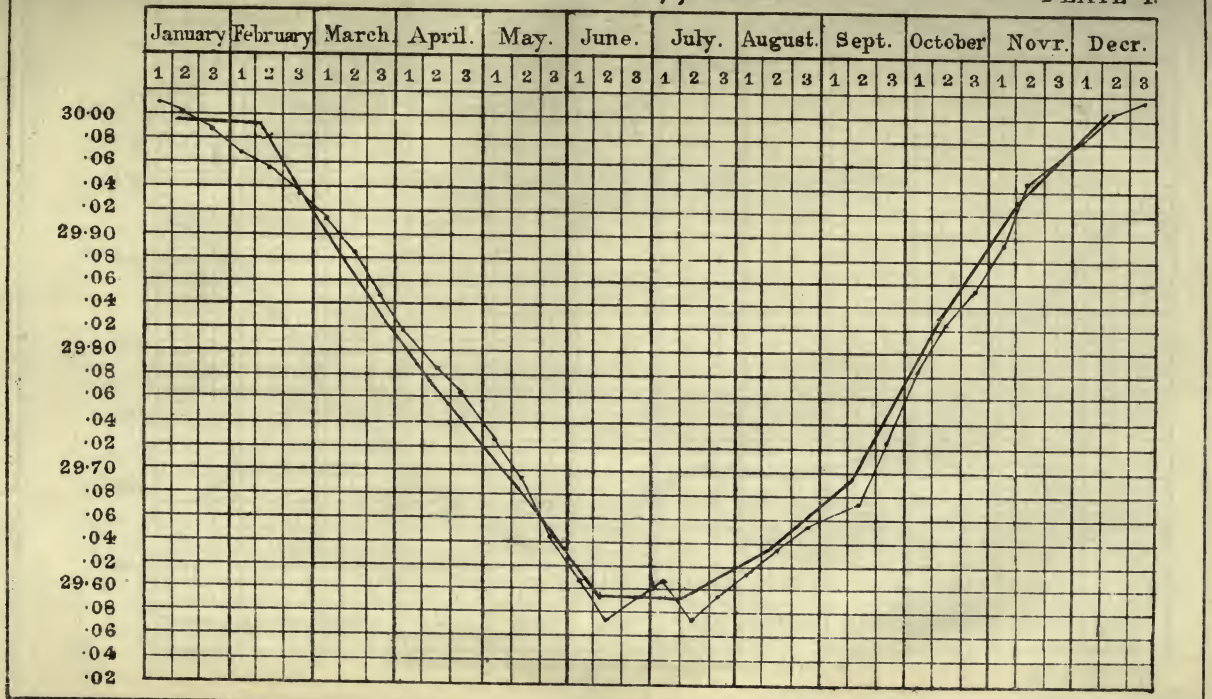
Meteorological Observations and Results, United States Naval Observatory, 1889.

From the Director, Batavia Observatory :—

Observations made at the Magnetic and Meteorological Observatory at Batavia, published by order of the Government of Netherlands, India, Vol. XVI, 1893.

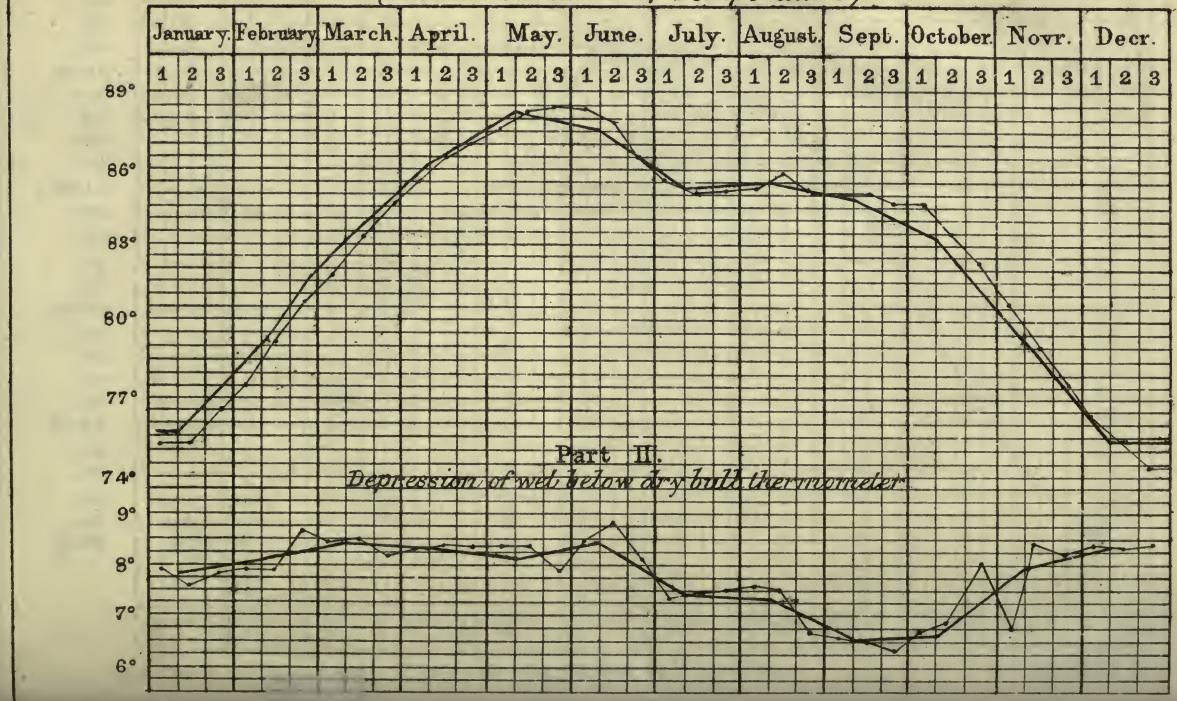
Annual variation of pressure

PLATE 1.

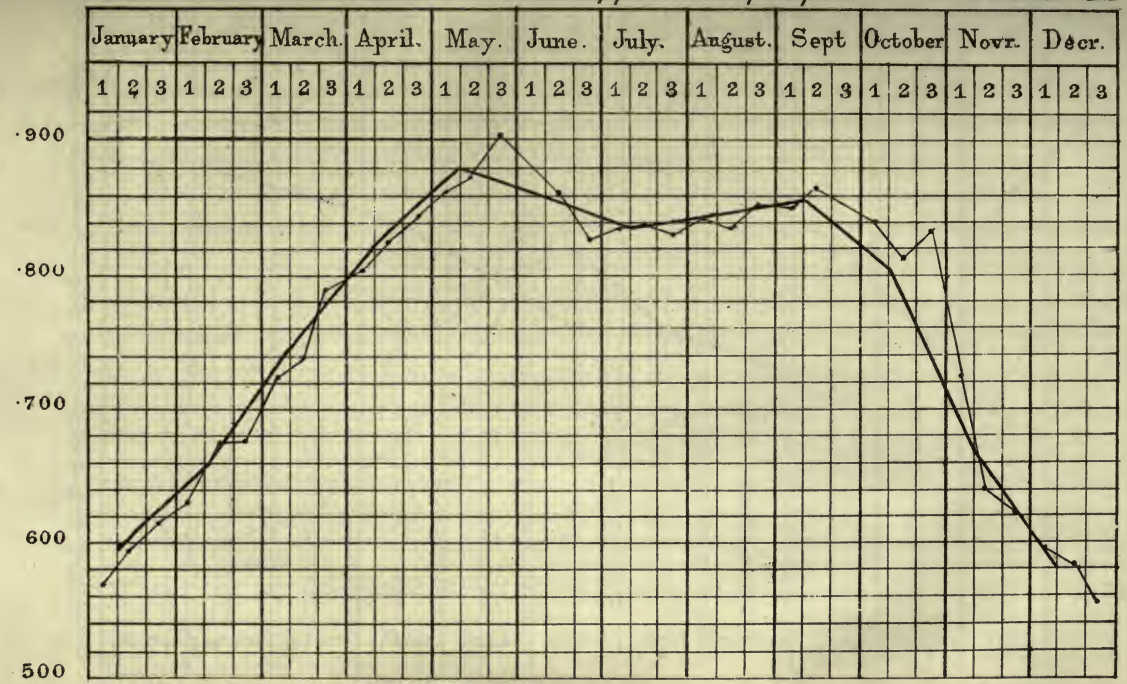


Part I.
(Annual variation of Temperature.)

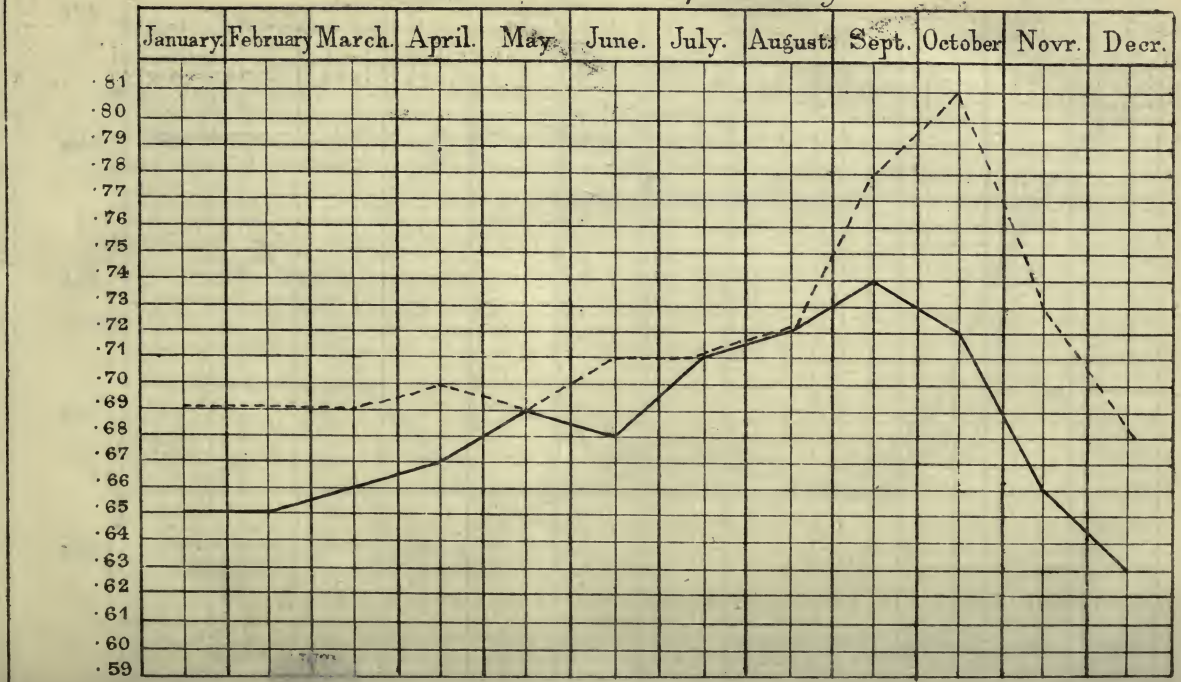
PLATE II



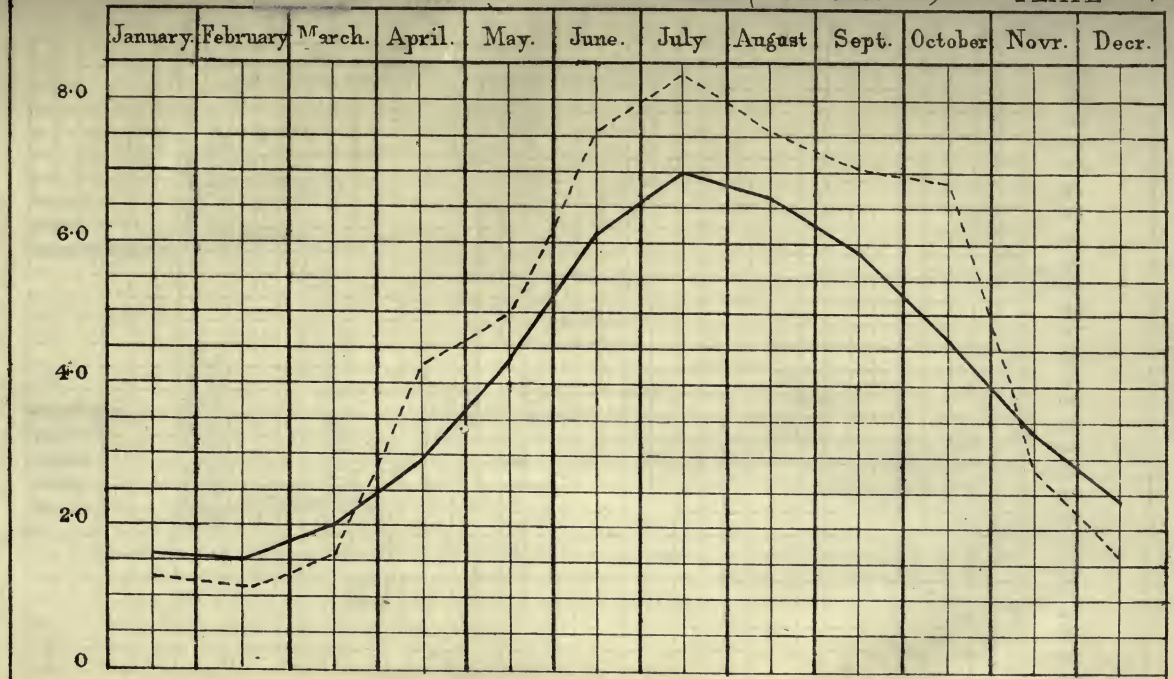
Annual variation of pressure of Vapour PLATE III

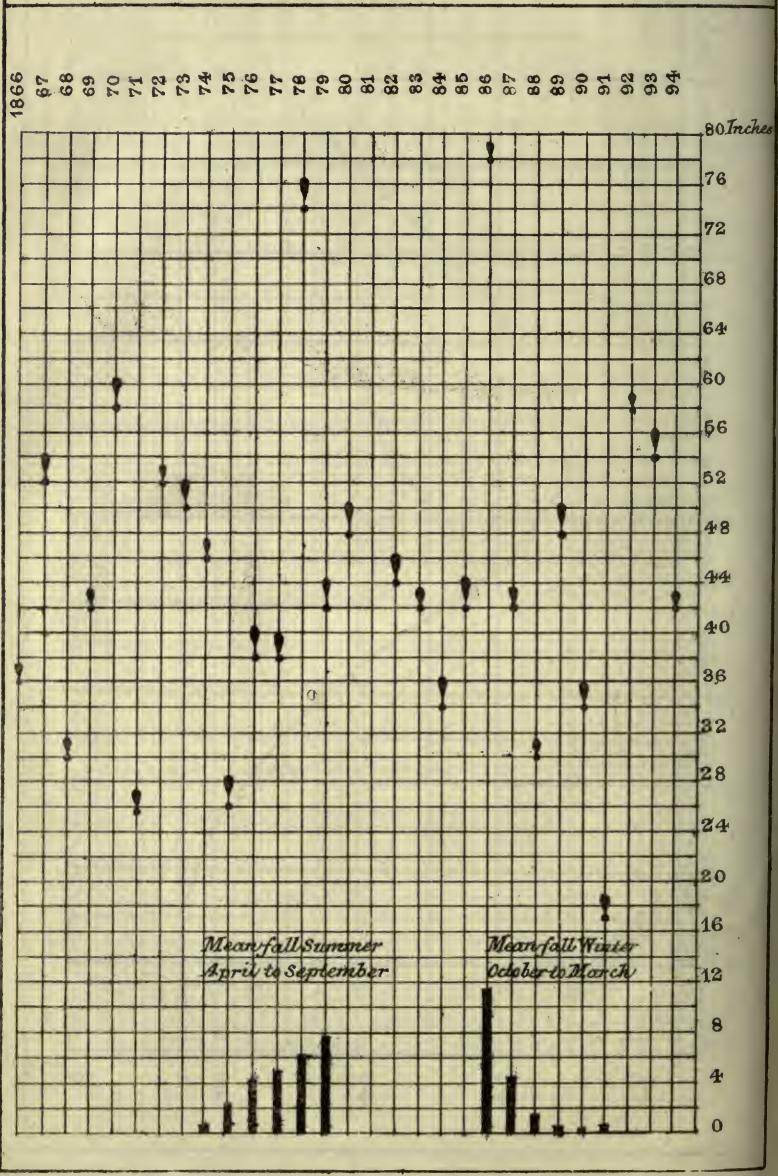


Annual variation of Humidity PLATE IV



Annual variation of Cloud (Over cast=10) PLATE V

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44
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28
24
20
16
12
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Mean fall Summer
April to September
Mean fall Winter
October to March

Curves of Rainfall and Rainy Days - the means of 25 years in form of a Wind-rose

Fig 1

Rainy days

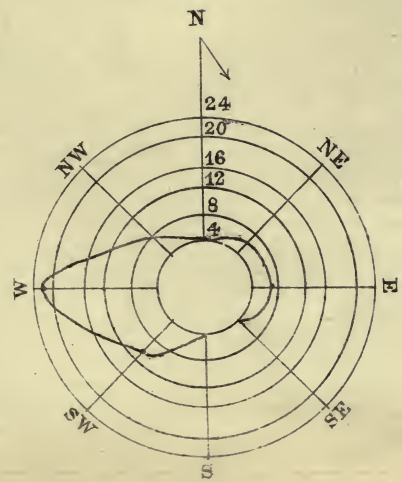
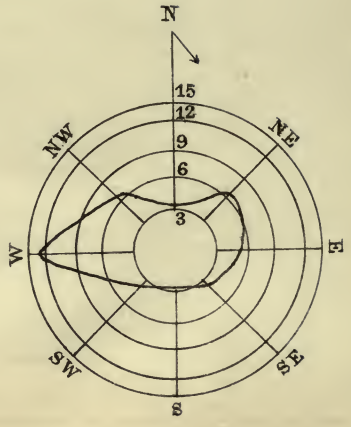


Fig 2

Rainfall



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